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# CAPE WINELANDS DISTRICT

MUNICIPALITY • MUNISIPALITEIT • UMASIPALA

## ACKNOWLEDGMENT RECEIPT OF TENDER AND QUOTATION

- 1. T 2020/052: INTERNAL TRAINING PROGRAMMES FOR CWDM EMPLOYEES FOR THE PERIOD ENDING 30 JUNE 2023 X 3
- 2. T 2021/010: PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024 X 2
- 3. T2021/023: LABOUR INTENSIVE CLEARING OF INVASIVE ALIEN PLANTS WITHIN THE DRANKENSTEIN MUNICIPALITY X 4
- 4. T2021/024: LABOUR INTENSIVE CLEARING OF INVASIVE ALIEN PLANTS WITHIN WITZENBERG MUNICIPALITY X 2
- 5. T2021/025: LABOUR INTENSIVE CLEARING OF INVASIVE ALIEN PLANTS WITHIN BREEDE VALLEY MUNICIPALITY X 3
- 6. T2021/026: LABOUR INTENSIVE CLEARING OF INVASIVE ALIEN PLANTS WITHIN LANGERBERG MUNICIPALITY X 2
- 7. T2021/046: PROVISION OF BUYING SERVICES FOR DIGITAL AND BROADCASTING MEDIA FOR THE PERIOD ENDING 30 JUNE 2024
- 8. Q 2021/013: MANUFACTURING AND DELIVERING OF PURPOSE-MADE TIMBER LOCKERS TO THE CWDM FIRE STATIONS IN PAARL AND WORCESTER
- 9. Q 2021/032: SERVICING A CALIBRATION OF HAZMAT DETECTION DEVICES FOR A 12 MONTH PERIOD
- 10. Q 2021/100: WEBPAGE MAINTENANCE AND SUPPORT SERVICES

I, Lorna van Niekerk hereby acknowledge receipt of the following original tender and quotation documents:

Received by [Signature] Date 04/03/2022

- 11. Q 2021/025: SUPPLY AND DELIVERY OF SANITARY TOWELS
- 12. Q 2021/055: FACILITATION AND DELIVERING OF AN ADVANCED 4x4 DRIVING AND RECOVERY SKILLS TRAINING PROGRAMME



# CAPE WINELANDS DISTRICT

MUNICIPALITY • MUNISIPALITEIT • UMASIPALA

**TENDER NUMBER: T 2021/010**

**PROVISION OF PEST DISINFESTATION AND RODENT  
CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND  
FACILITIES OF THE CAPE WINELANDS DISTRICT  
MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024**

COMPANY NAME:

Xcell Environmental Services

POSTAL ADDRESS:

PO Box 2462

SOMERSET WEST

7130

**ANY ENQUIRIES REGARDING THE BIDDING PROCEDURE MAY BE DIRECTED TO:**

Financial and Strategic Support Services

Supply Chain Management

Tel: 086 126 5263

Fax: 086 688 4173

**T 2021/010**  
**PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS**  
**OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY**  
**FOR THE PERIOD ENDING 30 JUNE 2024**

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## **A. TENDER NOTICE**

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Tenders are hereby invited from suitably qualified and registered service providers for the provision of pest disinfection and rodent control services at the District Municipality's buildings and facilities for the period ending 30 June 2024.

Technical enquiries regarding this bid can be directed to Dorian Heath at telephone no. 023 348 2305 or 073 241 3733

**Closing date: 11:00 on Wednesday, 23 June 2021**

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Tender documents, in English, are available free of charge on the websites: [www.capewineland.gov.za](http://www.capewineland.gov.za) or <https://etenders.treasury.gov.za>. Alternatively, hard copies of the document are obtainable from the offices of the Supply Chain Management Unit, Cape Winelands District Municipality at 29 Du Toit Street, Stellenbosch, upon payment of a non-refundable fee of R 220.00 per document.

All prospective bidders must ensure that they are registered and accredited on the CWDM's Supplier Database and the Central Supplier Database, prior to the closing date of the tender.

Duly completed tenders must be enclosed in a (separate) sealed envelope and endorsed with the relevant tender number and description on the envelope/s. The sealed tenders must be placed in the official tender box of the District Municipality's offices at 29 Du Toit Street, Stellenbosch on the abovementioned time and dates.

Tenders will be opened in public as soon as possible after this closing time.

**HF PRINS  
MUNICIPAL MANAGER**



## **B. GENERAL CONDITIONS AND INFORMATION**

Inviting of tenders by the Cape Winelands District Municipality (CWDM), all relevant bid documentation, submitting of tenders by prospective bidders, evaluation / awarding of tenders and all subsequent contractual responsibilities regarding supply and delivery of goods and/or services, will be managed in terms of and MUST comply with:-

- Chapter 11 of the Municipal Finance Management Act, 2003 (Act no.56 of 2003);
- Municipal Supply Chain Management Policy of the CWDM;
- Supply Chain Management: A guide for Accounting Officers of Municipalities (Guide for AO's);
- Any relevant Regulations / Circulars issued by the National Treasury, from time to time, and
- Any Special Conditions detailed in this Contract (SCC) – *referring to, but not limited to: paragraphs B.1. - 17. and C to P.*

Where the GCC and SCC are in conflict with one another, the stipulations of the SCC will prevail (chapter 4.5.2.9 – Guide for AO's)

### **1. Acceptance or Rejection of a Tender**

The Municipality reserves the right to withdraw any invitation to tender and/or to re-advertise or to reject any tender or to accept any tender in whole or part.

The Municipality does not bind itself to accepting the lowest tender or the tender scoring the highest points.

The Municipality reserves the right to accept more than one tender (in the event of a number of items being offered).

### **2. Validity Period**

The fact and action of handing in a tender to the Municipality is accepted as a contract between the Municipality and the bidder whereby such a tender remains valid and available for a period of ninety (90) days, calculated from the closing date as advertised for the tender, for acceptance, or non-acceptance by the Municipality. The bidder undertakes not to withdraw, or alter, the tender during this period.

### **3. Registration on Accredited Supplier Database**

It is expected of all prospective service providers who are not yet registered on the Municipality's Accredited Supplier Database to register without delay on the prescribed form.

It will be expected from Suppliers to update registration details every 12 months from date of registration. Payment will not be effected if supplier information is outdated.

The Municipality reserves the right not to award tenders to prospective suppliers who are not registered on the Database.

### **4. Completion of Tender Documents**

The official tender form must be completed in BLACK ink and any corrections to the official tender form must also be made in BLACK ink and signed by the bidder.

Any tender documents received with correction fluid (Tippex) corrections shall be disqualified.

The complete original tender document must be returned. Missing pages will result in the disqualification of the tender.

Any ambiguity has to be cleared with contact person for the tender before the tender closure.

#### **5. Authorised Signatory**

A copy of the recorded Resolution taken by the Board of Directors, members, partners or trustees authorising the representative to submit this bid on the bidder's behalf must be attached to the Bid Document on submission of same.

A bid shall be eligible for consideration only if it bears the signature of the bidder or of some person duly and lawfully authorised to sign it for and on behalf of the bidder.

If such a copy of the Resolution does not accompany the bid document of the successful bidder, the Municipality reserves the right to obtain such document after the closing date to verify that the signatory is in order. If no such document can be obtained within a period as specified by the Municipality, the bid will be disqualified.

#### **6. Site / Information Meetings**

Site or information meetings, if specified, are compulsory. Bids will not be accepted from bidders who have not attended compulsory site or information meetings. Bidders that arrive 15 minutes or more after the advertised time the meeting starts will not be allowed to attend the meeting or to sign the attendance register. If a bidder is delayed, he must inform the contact person before the meeting commence and will only be allowed to attend the meeting if the chairperson of the meeting as well as all the other bidders attending the meeting, give permission to do so.

All partners or the leading partner of a Joint Venture must attend the compulsory site or information meeting.

#### **7. Quantities of Specific Items**

If tenders are called for a specific number of items, the Municipality reserves the right to change the number of such items to be higher or lower. The successful bidder will then be given an opportunity to evaluate the new scenario and inform the Municipality if it is acceptable. If the successful bidder does not accept the new scenario, it will be offered to the second-placed bidder.

#### **8. Expenses Incurred in Preparation of Tender**

The Municipality shall not be liable for any expenses incurred in the preparation and submission of the tender.

#### **9. Contact with Municipality after Tender Closure Date**

Bidders shall not contact the Municipality on any matter relating to their bid from the time of the opening of the bid to the time the contract is awarded. If a bidder wishes to bring additional information to the notice of the Municipality, it should do so in writing to the Municipality. Any effort by the firm to influence the Municipality in the bid evaluation, bid comparison or contract award decisions may result in the rejection of the bid.



**10. Opening, Recording and Publications of Tenders Received**

Tenders will be opened on the closing date immediately after the closing time specified in the tender documents. The names of the bidders, and if practical, the total amount of each bid and of any alternative bids will be read out aloud.

Telexed, faxed or e-mailed tenders will not be accepted.

The tender forms should be carefully completed and no errors will be condoned after tenders have been opened.

The Bidder will be liable to take out **forward cover** to barricade him/her against fluctuation of the exchange rate in the event of importing any component, related to the quotation, from a country dealing in currency other than that of South Africa.

**11. Evaluation of Tenders**

Tenders will be evaluated in terms of their responsiveness to the tender specifications and requirements as well as such additional criteria as set out in this set of tender documents.

**12. Subcontracting**

The Contractor shall not subcontract the whole of the contract.

Except where otherwise provided by the Contract, the Contractor shall not subcontract any part of the Contract without the prior written consent of the Municipality, which consent shall not be unreasonably withheld.

Any consent granted or appointment of a subcontractor shall not imply a contract between the Municipality and the subcontractor, or a responsibility or liability on the part of the Municipality to the subcontractor and shall not relieve the Contractor from any liability or obligation under the Contract and he shall be liable for the acts, defaults and neglects of any subcontractor, his agents or employees as fully as if they were the acts, defaults or neglects of the Contractor, his agents or employees.

**13. Extension of Contract**

The contract with the successful bidder may be extended should additional funds become available.

**14. Past Practices**

The bid of any bidder may be rejected if that bidder or any of its directors have abused the municipality's supply chain management system or committed any improper conduct in relation to such system.

The bid of any bidder may be rejected if it is or has been found that that bidder or any of its directors influenced or tried to influence any official or councilor with this or any past tender.

The bid of any bidder may be rejected if it is or has been found that that bidder or any of its directors offered, promised or granted any official or any of his/her close family members, partners or associates any reward, gift, favors, hospitality or any other benefit in any improper way, with this or any past tender.



## 15. Persons in the service of the state

Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest.

## 16. Broad-based black economic empowerment (B-BBEE) status level certificates

Bidders are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies of the original, not a photo-copy of another certified copy thereof together with their bids, to substantiate their B-BBEE rating claims.

Bidders who do not submit B-BBEE Status Level Verification Certificates or who are non-compliant contributors to B-BBEE do not qualify for preference points for B-BBEE but should not be disqualified from the bidding process. They will score points out of 90 or 80 for price only and zero (0) points out of 10 or 20 for B-BBEE.

A trust, consortium or joint venture must submit a consolidated B-BBEE Status Level Verification Certificate for every separate bid.

Public entities and tertiary institutions must also submit B-BBEE Status Level Verification Certificates together with their bids.

If an institution is already in possession of a valid and original or certified copy of a bidder's B-BBEE Status Level Verification Certificate that was obtained for the purpose of establishing the database of possible suppliers for price quotations or that was submitted together with another bid, it is not necessary to obtain a new B-BBEE Status Level Verification Certificate each time a bid is submitted from the specific bidder.

Such a certificate may be used to substantiate B-BBEE rating claims provided that the closing date of the bid falls within the expiry date of the certificate that is in the institution's possession.

Each time this provision is applied, cross-reference must be made to the B-BBEE Status Level Verification Certificate already in possession for audit purposes.

AOs / AAs must ensure that the B-BBEE Status Level Verification Certificates submitted are issued by the following agencies:

### Bidders other than EMEs

- Verification agencies accredited by SANAS; or
- Registered auditors approved by IRBA (until the expiration of the period prescribed by the DTI)

### Bidders who qualify as EMEs

- Sworn affidavit signed by the EME representative and attested by a Commissioner of oaths.

## VALIDITY OF B-BBEE STATUS LEVEL VERIFICATION CERTIFICATES

Verification agencies accredited by SANAS

These certificates are identifiable by a SANAS logo and a unique BVA number.



Confirmation of the validity of a B-BBEE Status Level Verification Certificate can be done by tracing the name of the issuing Verification Agency to the list of all SANAS accredited agencies. The list is accessible on [http://www.sanas.co.za/directory/bbee\\_default.php](http://www.sanas.co.za/directory/bbee_default.php).

The relevant BVA may be contacted to confirm whether such a certificate was issued.

As a minimum requirement, all valid B-BBEE Status Level Verification Certificates should have the following information detailed on the face of the certificate:

- The name and physical location of the measured entity;
- The registration number and, where applicable, the VAT number of the measured entity;
- The date of issue and date of expiry;
- The certificate number for identification and reference;
- The scorecard that was used (for example QSE, Specialized or Generic);
- The name and / or logo of the Verification Agency;
- The SANAS logo;
- The certificate must be signed by the authorized person from the Verification Agency; and
- The B-BBEE Status Level of Contribution obtained by the measured entity.

#### **Registered auditors approved by IRBA**

The format and content of B-BBEE Status Level Verification Certificates issued by registered auditors approved by IRBA must -

- Clearly identify the B-BBEE approved registered auditor by the auditor's individual registration number with IRBA and the auditor's logo;
- Clearly record an approved B-BBEE Verification Certificate identification reference in the format required by the SASAE;
- Reflect relevant information regarding the identity and location of the measured entity;
- Identify the Codes of Good Practice or relevant Sector Codes applied in the determination of the scores;
- Record the weighting points (scores) attained by the measured entity for each scorecard element, where applicable, and the measured entity's overall B-BBEE Status Level of Contribution; and
- Reflect that the B-BBEE Verification Certificate and accompanying assurance report issued to the measured entity is valid for 12 months from the date of issuance and reflect both the issuance and expiry date.

Confirmation of the validity of a B-BBEE Status Level Verification Certificate can be done by tracing the name of the issuing B-BBEE approved registered auditor to the list of all approved registered auditors. The list is accessible on <http://www.thedti.gov.za> and / <http://www.irba.co.za>.

The relevant approved registered auditor may be contacted to confirm whether such a certificate was issued.

#### **Accounting officers as contemplated in section 60(4) of the CCA;**

These certificates will be issued on the accounting officer's letterhead with the accounting officer's practice number and contact number clearly specified on the face of the certificates.

The content of B-BBEE Status Level Verification Certificates issued by accounting officers as contemplated in the CCA is detailed in paragraph 4.8.5 below.

## **VERIFICATION OF B-BBEE LEVELS IN RESPECT OF EMEs**

In terms of the Generic Codes of Good Practice, an enterprise including a sole propriety with annual total revenue of R10 million or less qualifies as an EME.

In instances where Sector Charters are developed to address the transformation challenges of specific sectors or industries, the threshold for qualification as an EME may be different from the generic threshold of R10 million. The relevant Sector Charter thresholds will therefore be used as a basis for a potential bidder to qualify as an EME.

- For example the approved thresholds for EMEs for the Tourism and Construction Sector Charters are R2.5 million and R1.5 million respectively.
- An EME automatically qualifies as a level 4 contributor with B-BBEE recognition level of 100% in terms of the Codes of Good Practice.
- An EME with at least 51% black ownership qualifies as Level 2 Contributor with B-BBEE level of 125% in terms of the Codes of Good Practice.
- An EME with 100% black ownership qualifies as a Level 1 contributor with B-BBEE level of 135% in terms of the Codes of Good Practice.
- An EME that is regarded as a specialized enterprise with at least 75% black beneficiaries qualifies as Level 1 contributor with B-BBEE level of 135% in terms of Codes of Good Practice.
- An EME that is regarded as a specialized enterprise with at least 51% black beneficiaries qualifies as a Level 2 contributor with B-BBEE level of 125% in terms of the Codes of Good Practice.
- An EME is required to submit a sworn affidavit confirming their annual total revenue of R 10 million or less and level of black ownership to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017.
- An EME that is regarded as a Specialized Enterprise, is required to submit a sworn affidavit confirming their annual turnover/ allocated budget/ gross receipt of R 10 million or less and level of percentage of black beneficiaries to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017.
- An EME may be measured in terms of the QSE scorecard should they wish to maximize their points and move to a higher B-BBEE recognition level. It is in this context that an EME may submit a B-BBEE verification certificate.

## **ELIGIBILITY AS QUALIFYING SMALL ENTERPRISES (QSE)**

The Codes define a QSE as any enterprise with annual total revenue of between R10 million and R50 million.

- A QSE with at least 51% black ownership qualifies as a Level 2 contributor.
- A QSE with 100% black ownership qualifies as a Level 1 Contributor.
- A QSE that is regarded as a specialized enterprise with at least 75% black beneficiaries qualifies as a Level 1 contributor with B-BBEE level of 135% in terms of the Codes of Good Practice.
- A QSE that is regarded as a specialized enterprise with at least 51% black beneficiaries qualifies as a Level 2 contributor with B-BBEE level of 125% in terms of the Codes of Good Practice.
- A QSE is required to submit a sworn affidavit confirming their annual total revenue of between R10 million and R 50 million and level of black ownership or a B-BBEE level verification certificate to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017.
- A QSE that is regarded as a specialized enterprise is required to submit a sworn affidavit confirming their annual turnover/ budget/ gross receipt of R 50 million or less and level of percentage of black beneficiaries or a B-BBEE level verification certificate to claim points as prescribed by regulation 6 and 7 of the Preferential Procurement Regulations 2017

**IN ORDER TO BE AWARDED PREFERENCE POINTS, ANNEXURE H. QUESTIONNAIRE AND ANNEXURE K. PREFERENCE POINTS CLAIM FORM (MBD 6.1), MUST BE COMPLETED - FAILURE TO COMPLY WITH THE ABOVEMENTIONED WILL RESULT IN NO PREFERENCE POINTS BEING AWARDED**

**17. Application**

These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

Where applicable, special conditions of contract may be laid down and included to cover specific supplies, services or works.

Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

**18. Standards**

The goods supplied or the services rendered shall conform to the standards mentioned in the bidding documents and specifications.

**19. Information and Inspection**

The service provider shall not, without the District Municipality's prior written consent, disclose the agreement, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the District Municipality in connection therewith, to any person other than a person employed by the service provider in the performance of the agreement. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

The service provider shall permit the District Municipality to inspect the supplier's records relating to the performance of the service provider and to have them audited by auditors appointed by the District Municipality, if so required by the District Municipality.

**20. Governing Language**

The governing language shall be English. All correspondence and other documents pertaining to the agreement that is exchanged by the parties shall also be written in English.

**21. Payments**

Payments shall be made by the District Municipality within **thirty (30)** calendar days of receiving the relevant **invoice / statement provided** by the supplier.

Payment will be made in Rand unless otherwise stipulated.

**22. Prices and Evaluation of bids**

Prices charged by the service provider for goods delivered and services performed under the contract shall not vary from the prices quoted by the service provider in this Tender.

The Bidder will be liable to take out forward cover to barricade him/her against fluctuation of the exchange rate in the event of importing any component, related to the tender, from a country dealing in currency other than that of South Africa.

THIS BID WILL BE EVALUATED AND ADJUDICATED ACCORDING TO THE FOLLOWING:

- Relevant specifications
- Value for money
- Capability to execute the contract
- PPPFA & associated regulations

**23. Termination for default**

The District Municipality, without prejudice to any other remedy for breach of contract, by written notice of default sent to the service provider, may terminate this agreement in whole or in part:

If the service provider fails to deliver any or all of the goods within the period(s) specified in the agreement;

If the service provider fails to perform any obligation(s) under the contract; or

If the service provider in the judgment of the District Municipality, has engaged in corrupt or fraudulent practices in competing for or in executing the contract

In the event the District Municipality terminates the contract in whole or in part, the District Municipality may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the service provider shall be liable to the District Municipality for any excess costs for such similar goods, works or services. However, the service provider shall continue performance of the contract to the extent not terminated.

Where the District Municipality terminates the contract in whole or in part, the District Municipality may decide to impose a restriction penalty on the service provider by prohibiting such service provider from doing business with the public sector for a period not exceeding 10 years.

If a District Municipality intends imposing a restriction on a service provider or any person associated with the service provider, the service provider will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the service provider fail to respond within the stipulated fourteen (14) days the District Municipality may regard the service provider as having no objection and proceed with the restriction.

Any restriction imposed on any person by the District Municipality will, at the discretion of the District Municipality, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the District Municipality actively associated.

If a restriction is imposed, the District Municipality must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

The name and address of the supplier and / or person restricted by the District Municipality;  
The date of commencement of the restriction;  
The period of restriction; and  
The reasons for the restriction

These details will be loaded in the National Treasury's central database of service provider or persons prohibited from doing business with the public sector.

If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

#### **24. Termination for Insolvency**

The District Municipality may at any time terminate the contract by giving written notice to the service provider if the service provider becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the service provider, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the District Municipality.

#### **25. Settlement of Disputes**

If any dispute or difference of any kind whatsoever arises between the District Municipality and the service provider in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the District Municipality or the service provider may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

Notwithstanding any reference to mediation and/or court proceedings herein, the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and

The District Municipality shall pay the service provider any monies due for goods delivered and/or services rendered according to the prescripts of the contract.

#### **26. Applicable Law**

The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

#### **27. Notices**

Every written acceptance of a bid and any other notices shall be posted to the service provider concerned by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice;

The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

#### **28. Taxes and duties**

A service provider shall be entirely responsible for all taxes, duties, license fees, etc., of the contracted goods to the District Municipality.

No contract shall be concluded with any tenderer whose tax matters are not in order.

No contract shall be concluded with any tenderer whose municipal rates and taxes and municipal services charges are in arrears.

**29. Value-added tax (VAT) on invoices**

Tax invoices are to comply with the requirements as contained in the Value Added Tax Act, 1991 (Act No 89 of 1991). The content of the invoice must contain information as prescribed by the Act.

It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice.

The amended Value Added Tax Act, 1991 (Act No 89 of 1991) requires that a Tax Invoice for supplies in excess of R3,000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005.

Where the value of an intended contract will exceed R 1 000 000.00 (R1 Million) it is the bidder's responsibility to be registered with the South African Revenue Services (SARS) for VAT purposes in order to be able to issue tax invoices. CWDM will deem the price above R 1 000 000.00 (R1 Million) to be VAT inclusive even if it is indicated that no VAT is charged. Please ensure that provision is made for VAT in these instances.

The VAT registration number of the District Municipality is 4700193495.

**30. Tax Clearance Certificate**

A copy of a Tax Compliance Status Pin, printed from the South African Revenue Service (SARS) website, must accompany the bid documents. The onus is on the bidder to ensure that their tax matters are in order with SARS.

In the case of a Consortium/Joint Venture every member must submit a separate Tax Compliance Status Pin, printed from the SARS website, with the bid documents.

If a bid is not supported by a Tax Compliance Status Pin as an attachment to the bid documents, the Municipality reserves the right to obtain such documents after the closing date to verify that the bidder's tax matters are in order. If no such document can be obtained within a period as specified by the Municipality, the bid will be disqualified.

The Tax Compliance Status Pin will be verified by the Municipality on the SARS website.

**31. Municipal Rates, Taxes and Charges**

A certified copy of the bidder's and those of its directors municipal accounts (for the Municipality where the bidder pays his account) for the month preceding the tender closure date must accompany the tender documents. If such a certified copy does not accompany the bid document of the successful bidder, the Municipality reserves the right to obtain such documents after the closing date to verify that their municipal accounts are in order.

Any bidder which is or whose directors are in arrears with their municipal rates and taxes or municipal charges due to any Municipality or any of its entities for more than three months and have not made an arrangement for settlement of same before the bid closure date will be unsuccessful.

If a bidder rents their premises, proof must be submitted that the rental includes their municipal rates and taxes or municipal charges and that their rent is not in arrears.

**32. Construction Industry Development Board (CIDB) (If applicable)**

When applicable, the bidder's CIDB registration number must be included with the tender. The Municipality will verify the bidder's CIDB registration during the evaluation process.

**33. Letter of Good Standing from the Commissioner of Compensation**

A valid Letter of Good Standing from the Compensation Commissioner or a certified copy thereof must accompany the bid documents unless the bidder is registered on the Accredited Supplier Database of the Municipality and the Municipality has a valid Letter of Good Standing from the Compensation Commissioner or a certified copy thereof for the bidder on record. The onus is on the bidder to ensure that the Municipality has a valid Letter of Good Standing from the Compensation Commissioner or a certified copy thereof on record.

A letter of good standing for "tender purposes" from the Department of Labour will also be accepted.

If no such document/s as specified by the Municipality is submitted, the bid will be disqualified.



## C. NATIONAL TREASURY - GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

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The purpose of this document is to:

- (a) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (b) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.
- (c) The General Conditions of Contract will form part of all bid documents and may not be amended.
- (d) Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC will prevail

### 1. DEFINITIONS

The following terms shall be interpreted as indicated:

- 1.1 **"Closing time"** means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 **"Contract"** means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 **"Contract price"** means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4 **"Corrupt practice"** means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 **"Countervailing duties"** are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6 **"Country of origin"** means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7 **"Day"** means calendar day.
- 1.8 **"Delivery"** means delivery in compliance of the conditions of the contract or order.
- 1.9 **"Delivery ex stock"** means immediate delivery directly from stock actually on hand.
- 1.10 **"Delivery into consignees store or to his site"** means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the goods are so delivered and a valid receipt is obtained.
- 1.11 **"Dumping"** occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.



- 1.12 **"Force majeure"** means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 **"Fraudulent practice"** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 **"GCC"** means the General Conditions of Contract.
- 1.15 **"Goods"** means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 **"Imported content"** means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the goods covered by the bid will be manufactured.
- 1.17 **"Local content"** means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
- 1.18 **"Manufacture"** means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 **"Order"** means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 **"Project site,"** where applicable, means the place indicated in bidding documents.
- 1.21 **"Purchaser"** means the organization purchasing the goods.
- 1.22 **"Republic"** means the Republic of South Africa.
- 1.23 **"SCC"** means the Special Conditions of Contract.
- 1.24 **"Services"** means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 **"Supplier"** means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 1.26 **"Tort"** means in breach of contract
- 1.27 **"Turnkey"** means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 1.28 **"Written" or "in writing"** means hand-written in ink or any form of electronic or mechanical writing.

## **2. APPLICATION**

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific goods, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

## **3. GENERAL**

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2 Invitations to bid are usually published in locally distributed news media and on the municipality/municipal entity website.

## **4. STANDARDS**

- 4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

## **5. USE OF CONTRACT DOCUMENTS AND INFORMATION INSPECTION**

- 5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

## **6. PATENT RIGHTS**

- 6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
- 6.2 When a supplier developed documentation / projects for the municipality / municipal entity, the intellectual, copy and patent rights or ownership of such documents or projects will vest in the municipality / municipal entity.

## **7. PERFORMANCE SECURITY**

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
  - (b) a cashier's or certified cheque.
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

## **8. INSPECTIONS, TESTS AND ANALYSES**

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Goods and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods, which do comply with the requirements of the contract. Failing such removal the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.

8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 22 of GCC.

## **9. PACKING**

9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, and in any subsequent instructions ordered by the purchaser.

## **10. DELIVERY AND DOCUMENTS**

10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms specified in the contract.

## **11. INSURANCE**

11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

## **12. TRANSPORTATION**

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified.

## **13. INCIDENTAL SERVICES**

13.1 The supplier may be required to provide any or all of the following services, including additional services, if any:

- (a) Performance or supervision of on-site assembly and/or commissioning of the supplied goods;
- (b) Furnishing of tools required for assembly and/or maintenance of the supplied goods;
- (c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) Training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

#### **14. SPARE PARTS**

- 14.1 As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and;
  - (b) in the event of termination of production of the spare parts:
    - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
    - (ii) Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

#### **15. WARRANTY**

- 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

#### **16. PAYMENT**

- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated.

16.5 Where the value of an intended contract will exceed R1 000 000, 00 (R1 million) it is the bidder's responsibility to be registered with the South African Revenue Service (SARS) for VAT purposes in order to be able to issue tax invoices. It is a requirement of this contract that the amount of value-added tax (VAT) must be shown clearly on each invoice. The amended Value-Added Tax Act requires that a Tax Invoice for supplies in excess of R3 000 should, in addition to the other required information, also disclose the VAT registration number of the recipient, with effect from 1 March 2005.

## **17. PRICES**

17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized or in the purchaser's request for bid validity extension, as the case may be.

## **8. VARIATION ORDERS**

18.1 In cases where the estimated value of the envisaged changes in purchase does not vary more than 15% of the total value of the original contract, the contractor may be instructed to deliver the goods or render the services as such. For construction related goods, services and/or infrastructure project, contracts may be expanded or varied by not more than 20%. In cases of measurable quantities, the contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.

## **19. ASSIGNMENT**

19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

## **20. SUBCONTRACTS**

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

## **21. DELAYS IN THE SUPPLIER'S PERFORMANCE**

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the goods are required, or the supplier's services are not readily available.

21.4 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of penalties.

21.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

## **22. PENALTIES**

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

## **23. TERMINATION FOR DEFAULT**

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) If the supplier fails to perform any other obligation(s) under the contract; or
- (c) If the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the supplier as having no objection and proceed with the restriction.

23.5 Any restriction imposed on any person by the purchaser will, at the discretion of the purchaser, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the purchaser actively associated.

23.6 a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

- (i) The name and address of the supplier and / or person restricted by the purchaser;
- (ii) The date of commencement of the restriction
- (iii) The period of restriction; and
- (iv) The reasons for the restriction

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

- 23.7. If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website

#### **24. ANTIDUMPING AND COUNTERVAILING DUTIES AND RIGHTS**

- 24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favorable difference shall on demand be paid forthwith by the supplier to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the supplier in regard to goods or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

#### **25. FORCE MAJEURE**

- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

#### **26. TERMINATION FOR INSOLVENCY**

- 26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

#### **27. SETTLEMENT OF DISPUTES**

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.



27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Notwithstanding any reference to mediation and/or court proceedings herein,  
(a) The parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and  
(b) The purchaser shall pay the supplier any monies due the supplier for goods delivered and / or services rendered according to the prescripts of the contract.

## **28. LIMITATION OF LIABILITY**

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;

(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

(b) The aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

## **29. GOVERNING LANGUAGE**

29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

## **30. APPLICABLE LAW**

30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified.

## **31. NOTICES**

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

## **32. TAXES AND DUTIES**

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

32.4 No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

**33. TRANSFER OF CONTRACTS**

- 33.1 The contractor shall not abandon, transfer, cede assign or sublet a contract or part thereof without the written permission of the purchaser

**34. AMENDMENT OF CONTRACTS**

- 34.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

**35. PROHIBITION OF RESTRICTIVE PRACTICES**

- 35.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is / are or a contractor(s) was / were involved in collusive bidding.
- 35.2 If a bidder(s) or contractor(s) based on reasonable grounds or evidence obtained by the purchaser has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in section 59 of the Competition Act No 89 Of 1998.
- 35.3 If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

## D. APPLICATION OF PREFERENCE POINT SYSTEM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

The applicable **80/20** preferential points system as set out in Preferential Procurement Regulations 2017 will be used to evaluate individual tenders.

### Regulation R 32 of 20 January 2017 provide for a preference points system

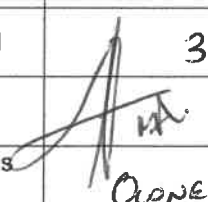
**80/20 Preference point system [(for acquisition of goods or services for a Rand value equal to or above R30 000 and up to R50 million) (all applicable taxes included)]**

The points are awarded as follows:

- 80 points is awarded for the **lowest price** if it complies with the Tender / Formal Written Price Quotation conditions.
- Additional points are awarded for attaining the **B-BBEE status level** of contributor in accordance with the table below:

B-BBEE Status Level of Contributor	Number of Points
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

## E. INVITATION TO BID - MBD1

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF MUNICIPALITY/ MUNICIPAL ENTITY)					
Tender number:	T 2021/010	Closing date:	23/06/2021	Closing time:	11h00
Description	PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024				
<b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).</b>					
<b>BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE TENDER BOX SITUATED AT: 29 DU TOIT STREET, STELLENBOSCH</b>					
<b>SUPPLIER INFORMATION</b>					
Name of bidder	XCELL ENVIRONMENTAL SERVICES				
Postal address	PO BOX 2462 SOMERSET WEST 7129.				
Street address	88 LUX AVENUE BEU GLEN MACASSAR 7130				
Telephone number	Code	021	Number	023 1679	
Cell phone number	083 761-5178				
E-mail address	accounts@xcellenvironmental.co.za.				
VAT registration number	4260224854				
Tax compliance status	TCS PIN:	826134824A	OR	CSD No:	MAAA 0100625
B-BBEE status level verification certificate [tick applicable box]	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		B-BBEE status level sworn affidavit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE / SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>					
Are you the accredited representative in South Africa for the goods / services / works offered?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No [If yes enclose proof]		Are you a foreign based supplier for the goods / services / works offered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No [If yes, answer part b:3]	
Total number of items offered	3.		Total bid price	R 312 093.19.	
Signature of bidder			Date	18.06.2021	
Capacity under which this bid is signed	Owner.				
<b>TECHNICAL INFORMATION MAY BE DIRECTED TO:</b>					
Contact person	Dorian Heath				
Telephone number	023 348 2305 or 073 241 3733				
E-mail address	dorian@capewineland.gov.za				
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED</b>					
Contact person	Elmine Niemand				
Telephone number	021 888 5175				
E-mail address	elmine@capewineland.gov.za				

**TERMS AND CONDITIONS FOR BIDDING – PART B**

**1. BID SUBMISSION:**

- 1.1. Bids must be delivered by the stipulated time to the correct address. Late bids will not be accepted for consideration.
- 1.2. All bids must be submitted on the official forms provided—(not to be re-typed) or online
- 1.3. This bid is subject to the Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations, 2017, the General Conditions of Contract (GCC) and, if applicable, any other special conditions of contract.

**2. TAX COMPLIANCE REQUIREMENTS**

- 2.1 Bidders must ensure compliance with their tax obligations.
- 2.2 Bidders are required to submit their unique personal identification number (pin) issued by SARS to enable the organ of state to view the taxpayer's profile and tax status.
- 2.3 Application for the tax compliance status (TCS) certificate or pin may also be made via e-filing. In order to use this provision, taxpayers will need to register with SARS as e-filers through the website [www.sars.gov.za](http://www.sars.gov.za).
- 2.4 Foreign suppliers must complete the pre-award questionnaire in part b:3.
- 2.5 Bidders may also submit a printed TCS certificate together with the bid.
- 2.6 In bids where consortia / joint ventures / sub-contractors are involved, each party must submit a separate TCS certificate / pin / CSD number.
- 2.7 Where no TCS is available but the bidder is registered on the central supplier database (CSD), a CSD number must be provided.

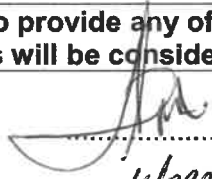
**3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS**

- 3.1. Is the entity a resident of the republic of South Africa (RSA)?  Yes  No
- 3.2. Does the entity have a branch in the RSA?  Yes  No
- 3.3. Does the entity have a permanent establishment in the RSA?  Yes  No
- 3.4. Does the entity have any source of income in the RSA?  Yes  No
- 3.5. Is the entity liable in the RSA for any form of taxation?  Yes  No

**If the answer is "no" to all of the above, then it is not a requirement to register for a tax compliance status system pin code from the South African Revenue Service (SARS) and if not register as per 2.3 above.**

**NB: failure to provide any of the above particulars may render the bid invalid.  
No bids will be considered from persons in the service of the state.**

Signature(s):



Name(s):

WARREN SMITH

Capacity for the Tenderer:

MEMBER

Date:

18.06.2021



## F. SPECIAL CONDITIONS OF CONTRACT AND TERMS OF REFERENCE

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### INTRODUCTION

The Cape Winelands District Municipality invite tenders from suitably qualified and registered service providers for the provision of pest disinfection and rodent control services at the District Municipality's buildings and facilities for the period ending 30 June 2024.

#### 1. SCOPE OF WORK

- 1.1 The pest disinfection services, and rodent control program must cover all structural macro-pests, including, but not limited to cockroaches, fish moths, bedbugs, fleas, ants, rodents, rats, mice, dust mites, bees, as well as all crawling and flying insects. If other pest disinfection and rodent control services are required, a quotation will be requested from the preferred service provider to perform these services. The District Municipality reserves the right to accept that quotation.
- 1.2 Compulsory visits at selected premises should be carried out regularly and timeously every three months. Intervening callouts to a maximum of two (2) at the premises as stipulated under paragraph 1.10.4, should be carried out **free of additional charges**.
- 1.3 The service provider must be a member of a **recognized** South African professional body / institute, the membership which will ensure that the service provider is committed to ethical business practices and will provide an appropriate level of service to adequately prevent, monitor, treat and control pests within/around the premises of the client, and to protect the safety and health of the clients' employees and visitors by establishing and maintaining minimum standards of practice, knowledge and skills.
  - 1.3.1 A **certificate of active membership of a recognized South African professional body / institute**, must be submitted with the tender documents. Failure to submit and attach a certificate of active membership of a South African professional body/institute will automatically disqualify a service provider.
- 1.4 In terms of section 10 of the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No 36 of 1947) any person who in the course of a business, industry or trade uses an agricultural remedy, must be registered as a Pest Control Operator in order to perform duties in terms of the Scope of Work of this tender.
  - 1.4.1 The Cape Winelands District Municipality reserves the right to request proof of registration of the Pest Control Operators each and every time they perform services on premises of the Cape Winelands District Municipality.
- 1.5 The service provider must adhere to the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) at all times with specific attention to the Electrical Installation Regulations, 2009.
- 1.6 The areas to be covered by this contract include all floors, carpeted or otherwise, inside open-air and/or communal areas, stairways, ramps, all furnishings, equipment, machinery and external drains. An intensive initial treatment is recommended in respect of the indicated areas, followed by similar treatments at subsequent regular visits.
- 1.7 The Cape Winelands District Municipality is engaging the use of sophisticated electronic equipment; thus, the service provider must be mindful of always applying the correct pesticidal formulation to such equipment. Pesticidal dusting powders and gels must be discriminately applied to all "hard-to-get" places, particularly in the kitchens and ducting.

1.8 The service provider must ensure that all pesticides to be used are registered under the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No 36 of 1947).

1.9 The service provider must ensure that the choice of pesticides have no adverse side effects on the occupants of the District Municipality's buildings, do not stain or taint, have no offensive odour (are virtually odourless) and must not leave unsightly deposits. The pesticides used should not put personnel, visitors or customers at risk of injury.

**1.10 Logistical Requirements**

1.10.1 The pest disinfection and rodent control services are to be conducted between 08:00 to 16:00 from Mondays to Thursdays and from 08:00 to 12:00 on Fridays, excluding public holidays. If and when required, the pest disinfection and rodent control services are to be conducted after business hours without any additional charges and / or costs. The **compulsory quarterly visits at selected premises** should be carried out on dates agreed upon between the Cape Winelands District Municipality and the successful service provider.

1.10.2 Special requests under circumstances which may negatively affect the health and safety of employees, visitors and/or customers of the Cape Winelands District Municipality, must be attended to as expeditiously as possible and not later than forty-eight (48) hours of it being reported to the service provider, or within a reasonable timeframe as mutually agreed upon between the service provider and the Cape Winelands District Municipality.

1.10.3 Supplementary visits and inspections may be necessary if fresh signs of pest activities are noticed in the intervening period between the regular calls and will be performed at no extra charge.

1.10.4 The premises where **compulsory quarterly services are required** are as follow:

Premises / Facility	Address	Approximate Area
<b>OFFICE BUILDING: STELLENBOSCH</b> Ground Floor, First Floor, Second Floor, Basement Lift Foyer, Security Hut	29 Du Toit Street Erf 5169 Stellenbosch	2,256 m <sup>2</sup>
<b>THATCH ROOF OFFICE BUILDING: STELLENBOSCH</b> Ground Floor, First Floor	46 Alexander Street Erf 566 Stellenbosch	835 m <sup>2</sup>
<b>ANNEX OFFICE BUILDING: STELLENBOSCH</b>	46 Alexander Street Erf 566 Stellenbosch	364 m <sup>2</sup>
<b>TRAINING FACILITY: STELLENBOSCH</b>	46 Alexander Street Erf 566 Stellenbosch	106 m <sup>2</sup>
<b>OFFICE BUILDINGS: STELLENBOSCH</b> Block A, Block B, Block C, Security Room	C/o Langenhoven and Bird Street Erf 8977 Stellenbosch	710 m <sup>2</sup>
<b>KAYAMANDI HOSTEL</b>	Mdala Road Erf 187 Kayamandi, Stellenbosch	215 m <sup>2</sup>
<b>FIRE STATION: STELLENBOSCH</b> Living Quarters, Ground Floor, First Floor, Second Floor, Lecture Rooms, Control Room, Ablution Facilities, Kitchen, Security Room	Papegaairand Street Erf 123 Stellenbosch	680 m <sup>2</sup>

Premises / Facility	Address	Approximate Area
<b>OFFICE BUILDING &amp; OUTER OFFICE BUILDING: PAARL</b> Ground Floor, First Floor, Security Hut	194 Main Street Erf 14399 Paarl	918 m <sup>2</sup>
<b>FIRE STATION: NIEUWEDRIFT, PAARL</b>	Boland Road Farm 486 Paarl	72 m <sup>2</sup>
<b>OFFICE BUILDING / FIRE STATION: CERES</b> Ground Floor, First Floor	27 Munnik Street Erf 2888 Ceres	837 m <sup>2</sup>
<b>OFFICE BUILDING / ARCHIVE: WORCESTER</b> Ground Floor, First Floor	51 Trappes Street Erf 6024 Worcester	2,497 m <sup>2</sup>
<b>FIRE STATION EERSTE BEGIN FARM / TRAINING FACILITY / WORKING FOR FIRE LIVING QUARTERS / GARAGE: WORCESTER</b>	Eerste Begin Farm Stainwell / Roché Road Farm 306/36 Worcester	423 m <sup>2</sup>
<b>TOTAL ESTIMATED AREA FOR COMPULSORY QUARTERLY PEST DISINFESTATION</b>		<b>9,913 m<sup>2</sup></b>

- 1.10.5 The District Municipality's premises in the following various towns are to be serviced as and when required based on a price per pest disinfestation and/or rodent control service for structural macro-pests, including, but not limited to cockroaches, fish moths, bedbugs, fleas, ants, rodents, rats, mice, dust mites, bees, as well as all crawling and flying insects:

Premises / Facility	Address	Approximate Area
<b>OFFICE BUILDING: STELLENBOSCH</b> Basement Parking Area	29 Du Toit Street Erf 5169 Stellenbosch	1,520 m <sup>2</sup>
<b>STORES: STELLENBOSCH</b> Offices, Stores, Kitchen, Ablutions, etc.	Drukkers Avenue Erf 121 Stellenbosch	357 m <sup>2</sup>
<b>ROADS DEPOT: STELLENBOSCH</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc.	Drukkers Avenue Erf 121 Stellenbosch	290 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: STELLENBOSCH</b> Offices, Workshop, Tool Store, etc. = <u>451m<sup>2</sup></u> Stores oil, ghries, tyre, wash bay, garages, etc. = <u>516m<sup>2</sup></u>	Drukkers Avenue Erf 121 Stellenbosch	967 m <sup>2</sup>
<b>STORE, BUDGET AND TREASURY OFFICE: STELLENBOSCH</b>	Drukkers Avenue Erf 121 Stellenbosch	120 m <sup>2</sup>
<b>ROADS DEPOT: PAARL</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc. = <u>429m<sup>2</sup></u> Stores = <u>252m<sup>2</sup></u> Duplex House = <u>104m<sup>2</sup></u>	Heide Street Erf 488 Paarl	785 m <sup>2</sup>
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>



<b>MECHANICAL WORKSHOP: PAARL</b> Office, Workshop, Tool Store, Cloakroom, Ablutions, etc.	Heide Street Erf 488 Paarl	390 m <sup>2</sup>
<b>ROADS DEPOT: CERES</b> Offices, Training Room, Cloakroom, Kitchen, Ablutions, etc. = <u>240m<sup>2</sup></u> Garages, Stores, etc. = <u>492m<sup>2</sup></u>	R46 Erf 3731 Ceres	732 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: CERES</b> Offices, Workshop, Training Room, Rest Rooms, Kitchen, Ablutions, etc. = <u>842m<sup>2</sup></u> Stores, Garages, Sheds, etc. = <u>259m<sup>2</sup></u>	R46 Erf 3731 Ceres	1,101 m <sup>2</sup>
<b>OFFICE BUILDING: WORCESTER</b> Garages, Underroof Parking, DB Rooms, Transformer Rooms, etc.	51 Trappes Street Erf 6024 Worcester	616 m <sup>2</sup>
<b>REDUNDANT STORE: WORCESTER</b>	Napier Street Erf 1350 Worcester	298 m <sup>2</sup>
<b>ROADS DEPOT: WORCESTER</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc. = <u>733m<sup>2</sup></u> Garages, Underroof Walkways, etc = <u>317m<sup>2</sup></u>	C/o Louis Lange and Schönland Street Erf 4 Worcester	1,050 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: WORCESTER</b> Offices, Workshop, etc. = <u>439m<sup>2</sup></u> Stores Machine, Ghries, Weld, Tools, Wash Bay, etc. = <u>233m<sup>2</sup></u>	C/o Louis Lange and Schönland Street Erf 4788 Worcester	672 m <sup>2</sup>
<b>TRAINING FACILITY DEPOT: WORCESTER</b>	C/o Louis Lange and Schönland Street Erf 4788 Worcester	101 m <sup>2</sup>
<b>MAIN OFFICE/OUT-BUILDINGS: ROBERTSON</b>	40 Van Reenen Street Erf 236 Robertson	466 m <sup>2</sup>
<b>ROADS DEPOT: ROBERTSON</b> Offices, Training Room, Cloakrooms, Kitchens, Ablutions, etc. = <u>264m<sup>2</sup></u> Stores = <u>232m<sup>2</sup></u>	Constitution Street Erf 1348 Robertson	496 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: ROBERTSON</b> Office, Workshop, Ablutions, etc. = <u>303m<sup>2</sup></u> Stores = <u>30m<sup>2</sup></u>	Constitution Street Erf 1348 Robertson	333 m <sup>2</sup>
<b>FIRE STATION: ROBERTSON</b>	Constitution Street Erf 1348 Robertson	106 m <sup>2</sup>
<b>OFFICE BUILDING: MONTAGU</b> Offices, Training Room, Kitchen, Ablutions, etc. = <u>198m<sup>2</sup></u> Underroof Parking, Store, Out-Buildings, etc. = <u>436m<sup>2</sup></u>	50A Bath Street Erf 229 Montagu	634 m <sup>2</sup>
<b>TOTAL ESTIMATED AREA FOR PEST DISINFESTATION AS AND WHEN REQUIRED</b>		<b>11,034 m<sup>2</sup></b>

## 2. DUTIES OF CONTRACTOR

It is first and foremost incumbent upon the service provider to familiarize themselves with the general environment and conditions in which they are to operate.

### **3. PROTECTIVE CLOTHING**

The service provider undertakes to issue protective clothing to personnel in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and the Regulations promulgated in terms of the Act.

### **4. STATUTORY PROVISIONS, ETC.**

The service provider declares that it is conversant with all statutory provisions, regulations and by-laws relating to the services to be provided and undertakes to conform to and comply with all relevant legislation in respect of the services to be rendered.

### **5. INDEMNIFICATION**

The Cape Winelands District Municipality shall be indemnified against any loss, injury to employees and/or damage to property of the service provider while executing the works.

### **6. REPORTING REQUIREMENT**

6.1 The service provider shall report to the Representative of the specific building of the Cape Winelands District Municipality each and every time prior to rendering the said pest control services.

6.2 After the completion of the pest disinfestation and / or rodent control services, a copy of the treatment report, countersigned by the Representative of the specific building of the Cape Winelands District Municipality, must be submitted to the said Representative for record purposes.

### **7. REFERENCES**

At least two (2) references to demonstrate the service provider's ability to deliver on the scope of work as stipulated in this tender must be included in the tender document, together with the contact details of the references, alternatively references must be submitted within a reasonable timeframe as to be determined by the Cape Winelands District Municipality.

### **8. ENQUIRIES**

Although there will be no site / information sessions, bidders must familiarise themselves with the premises where required services must be rendered.

### **9. PRICING SCHEDULE**

9.1 The prices quoted must include all labour, transport, consumables, disbursements and all related costs of rendering pest disinfestation and rodent control services at the respective premises of the Cape Winelands District Municipality, without any hidden costs.

9.2 Prices quoted must be fixed and valid for the period ending 30 June 2024 and should be applicable to all geographical areas included in the tender, irrespective of the location where the services will be required.

9.3 **For proper evaluation purposes, it is obligatory that the prescribed pricing schedules must be completed in full and signed. Alternative and/or incomplete pricing schedules will not be accepted and will be regarded as non-responsive for the whole of the tender.**

**10. EVALUATION CRITERIA**

- 10.1 This tender will be evaluated and awarded per geographical area, subject thereto that a service provider can provide both pest disinfestation services and rodent control service for a specific geographical area as identified by the Cape Winelands District Municipality in respect of compulsory quarterly services, as well as ad hoc services to ensure a safe and healthy working environment.
- 10.2 Cognisance should however be taken that the Cape Winelands District Municipality reserves the right to award more than one or all the geographical areas to a single service provider.
- 10.3 The geographical areas are divided as follow:
- 10.3.1 Premises to be serviced on a **compulsory quarterly** basis:

<b>STELLENBOSCH</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING: STELLENBOSCH</b> Ground Floor, First Floor, Second Floor, Basement Lift Foyer, Security Hut	29 Du Toit Street Erf 5169 Stellenbosch	2,256 m <sup>2</sup>
<b>THATCH ROOF OFFICE BUILDING: STELLENBOSCH</b> Ground Floor, First Floor	46 Alexander Street Erf 566 Stellenbosch	835 m <sup>2</sup>
<b>ANNEX OFFICE BUILDING: STELLENBOSCH</b>	46 Alexander Street Erf 566 Stellenbosch	364 m <sup>2</sup>
<b>TRAINING FACILITY: STELLENBOSCH</b>	46 Alexander Street Erf 566 Stellenbosch	106 m <sup>2</sup>
<b>OFFICE BUILDINGS: STELLENBOSCH</b> Block A, Block B, Block C, Security Room	C/o Langenhoven and Bird Street Erf 8977 Stellenbosch	710 m <sup>2</sup>
<b>KAYAMANDI HOSTEL</b>	Mdala Road Erf 187 Kayamandi Stellenbosch	215 m <sup>2</sup>
<b>FIRE STATION: STELLENBOSCH</b> Living Quarters, Ground Floor, First Floor, Second Floor, Lecture Rooms, Control Room, Ablution Facilities, Kitchen, Security Room	Papegaairand Street Erf 123 Stellenbosch	680 m <sup>2</sup>

<b>PAARL</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING &amp; OUTER OFFICE BUILDING: PAARL</b> Ground Floor, First Floor, Security Hut	194 Main Street Erf 14399 Paarl	918 m <sup>2</sup>
<b>FIRE STATION: NIEUWEDRIFT, PAARL</b>	Boland Road Farm 486 Paarl	72 m <sup>2</sup>

<b>CERES</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING / FIRE STATION: CERES</b> Ground Floor, First Floor	27 Munnik Street Erf 2888 Ceres	837 m <sup>2</sup>
<b>WORCESTER</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING / ARCHIVE: WORCESTER</b> Ground Floor, First Floor	51 Trappes Street Erf 6024 Worcester	2,497 m <sup>2</sup>
<b>FIRE STATION EERSTE BEGIN FARM / TRAINING FACILITY / WORKING FOR FIRE LIVING QUARTERS / GARAGE: WORCESTER</b>	Eerste Begin Farm Stainwell / Roché Road Farm 306/36 Worcester	423 m <sup>2</sup>

10.3.2 Premises to be serviced on a "as and when required" basis:

<b>STELLENBOSCH</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING: STELLENBOSCH</b> Basement Parking Area	29 Du Toit Street Erf 5169 Stellenbosch	1,520 m <sup>2</sup>
<b>STORES: STELLENBOSCH</b> Offices, Stores, Kitchen, Ablutions, etc.	Drukkers Avenue Erf 121 Stellenbosch	357 m <sup>2</sup>
<b>ROADS DEPOT: STELLENBOSCH</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc.	Drukkers Avenue Erf 121 Stellenbosch	290 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: STELLENBOSCH</b> Offices, Workshop, Tool Store, etc. = <u>451m<sup>2</sup></u> Stores oil, ghries, tyre, wash bay, garages, etc. = <u>516m<sup>2</sup></u>	Drukkers Avenue Erf 121 Stellenbosch	967 m <sup>2</sup>
<b>STORE, BUDGET AND TREASURY OFFICE: STELLENBOSCH</b>	Drukkers Avenue Erf 121 Stellenbosch	120 m <sup>2</sup>

<b>PAARL</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>ROADS DEPOT: PAARL</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc. = <u>429m<sup>2</sup></u> Stores = <u>252m<sup>2</sup></u> Duplex House = <u>104m<sup>2</sup></u>	Heide Street Erf 488 Paarl	785 m <sup>2</sup>

<b>MECHANICAL WORKSHOP: PAARL</b> Office, Workshop, Tool Store, Cloakroom, Ablutions, etc.	Heide Street Erf 488 Paarl	390 m <sup>2</sup>
<b>CERES</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>ROADS DEPOT: CERES</b> Offices, Training Room, Cloakroom, Kitchen, Ablutions, etc. = <u>240m<sup>2</sup></u> Garages, Stores, etc. = <u>492m<sup>2</sup></u>	R46 Erf 3731 Ceres	732 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: CERES</b> Offices, Workshop, Training Room, Rest Rooms, Kitchen, Ablutions, etc. = <u>842m<sup>2</sup></u> Stores, Garages, Sheds, etc. = <u>259m<sup>2</sup></u>	R46 Erf 3731 Ceres	1,101 m <sup>2</sup>
<b>WORCESTER</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>OFFICE BUILDING: WORCESTER</b> Garages, Underroof Parking, DB Rooms, Transformer Rooms, etc.	51 Trappes Street Erf 6024 Worcester	616 m <sup>2</sup>
<b>REDUNDANT STORE: WORCESTER</b>	Napier Street Erf 1350 Worcester	298 m <sup>2</sup>
<b>ROADS DEPOT: WORCESTER</b> Offices, Training Room, Kitchens, Cloakrooms, Ablutions, etc. = <u>733m<sup>2</sup></u> Garages, Underroof Walkways, etc = <u>317m<sup>2</sup></u>	C/o Louis Lange and Schönland Street Erf 4 Worcester	1,050 m <sup>2</sup>
<b>MECHANICAL WORKSHOP: WORCESTER</b> Offices, Workshop, etc. = <u>439m<sup>2</sup></u> Stores Machine, Ghries, Weld, Tools, Wash Bay, etc. = <u>233m<sup>2</sup></u>	C/o Louis Lange and Schönland Street Erf 4788 Worcester	672 m <sup>2</sup>
<b>TRAINING FACILITY DEPOT: WORCESTER</b>	C/o Louis Lange and Schönland Street Erf 4788 Worcester	101 m <sup>2</sup>

<b>ROBERTSON &amp; MONTAGU</b>		
<b>Premises / Facility</b>	<b>Address</b>	<b>Approximate Area</b>
<b>MAIN OFFICE/OUT-BUILDINGS: ROBERTSON</b>	40 Van Reenen Street Erf 236 Robertson	466 m <sup>2</sup>
<b>ROADS DEPOT: ROBERTSON</b> Offices, Training Room, Cloakrooms, Kitchens, Ablutions, etc. = <u>264m<sup>2</sup></u> Stores = <u>232m<sup>2</sup></u>	Constitution Street Erf 1348 Robertson	496 m <sup>2</sup>

<b>MECHANICAL WORKSHOP: ROBERTSON</b> Office, Workshop, Ablutions, etc. = <u>303m<sup>2</sup></u> Stores = <u>30m<sup>2</sup></u>	Constitution Street Erf 1348 Robertson	333 m <sup>2</sup>
<b>FIRE STATION: ROBERTSON</b>	Constitution Street Erf 1348 Robertson	106 m <sup>2</sup>
<b>OFFICE BUILDING: MONTAGU</b> Offices, Training Room, Kitchen, Ablutions, etc. = <u>198m<sup>2</sup></u> Underroof Parking, Store, Out-Buildings, etc. = <u>436m<sup>2</sup></u>	50A Bath Street Erf 229 Montagu	634 m <sup>2</sup>

- 10.4 The complete suite of services to be rendered per the above geographical areas must include all of the below mentioned:
- 10.4.1 Pest disinfestation services; and
- 10.4.2 Rodent Control.
- 10.5 Service providers will thus be allowed to submit prices for a specific geographical area, however, subject thereto that the full suite of services as prescribed under paragraph 10.4 above can be provided by the service provider, and that the service provider clearly indicate with a "X" on the prescribed pricing schedules for which geographical area they submit a tender and that the prescribed pricing schedules are completed in full.
- 10.6 No partially completed pricing schedules for a specific geographical area will be considered for evaluation.
- 10.7 Services providers are required to attach to their tender document proof of membership with a recognized South African professional body/institute, the membership which will ensure that the service provider is committed to ethical business practices and will provide an appropriate level of service to adequately prevent, monitor, treat and control pests within/around the premises of the client, and to protect the safety and health of the clients' employees and visitors by establishing and maintaining minimum standards of practice, knowledge and skills. Alternatively, the proof of membership with a recognized South African professional body/institute must be submitted within a timeframe to be determined by the Cape Winelands District Municipality.
- 10.8 Failure to submit proof of membership with a recognized South African professional body/institute within a reasonable timeframe as determined by the Cape Winelands District Municipality, will automatically disqualify a service provider.
- 10.9 The numbers and square meters in this tender have been calculated by the Cape Winelands District Municipality, however, cognisance should be taken that there may be variances in the numbers and square meters.
- 10.10 Cognisance should be taken that the Cape Winelands District Municipality cannot guarantee the exact square meters of the pest disinfestation services and the number of rodent control services to be rendered.
- 10.11 For evaluation purposes, the prices quoted in the prescribed pricing schedules will be calculated as follows for each year of the contract, however cognisance should be taken that the Cape Winelands District Municipality will not be bound by the numbers to be utilized in the calculations:

**Compulsory quarterly pest disinfestation services:**

Unit price per m<sup>2</sup>

- x 5,166 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Stellenbosch** geographical area)
- x 990 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Paarl** geographical area)
- x 837 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Ceres** geographical area)
- x 2,920 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Worcester** geographical area)

x 4 quarters  
= annual amount

**Compulsory once-off supply and installation of tamper-proof bait stations, inclusive of bait:**

Unit price per bait station

- x 35 (estimated number of bait stations for **Stellenbosch** geographical area)
- x 30 (estimated number of bait stations for **Paarl** geographical area)
- x 35 (estimated number of bait stations for **Worcester** geographical area)
- x 16 (estimated number of bait stations for **Ceres** geographical area)
- x 16 (estimated number of bait stations for **Robertson & Montagu** geographical area)

= annual amount

**Compulsory monthly service fee per tamper-proof bait station:**

Unit price per service per bait station

- x 35 (estimated number of bait stations for **Stellenbosch** geographical area)
- x 30 (estimated number of bait stations for **Paarl** geographical area)
- x 35 (estimated number of bait stations for **Worcester** geographical area)
- x 16 (estimated number of bait stations for **Ceres** geographical area)
- x 16 (estimated number of bait stations for **Robertson & Montagu** geographical area)

x 12 months  
= annual amount

**"If and when required" pest disinfestation services:**

Unit price per m<sup>2</sup>

- x 3,254 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Stellenbosch** geographical area)
- x 1,175 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Paarl** geographical area)
- x 1,833 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Ceres** geographical area)
- x 2,737 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Worcester** geographical area)
- x 2,035 m<sup>2</sup> (estimated m<sup>2</sup> to be serviced per quarter for **Robertson & Montagu** geographical area)

x 1 (based on the assumption that one call-out may be required per site)  
= annual amount

**"If and when required" once-off supply and installation of tamper-proof bait stations, inclusive of bait:**

Unit price per bait station



- x 15 (estimated number of bait stations for **Stellenbosch** geographical area)
- x 12 (estimated number of bait stations for **Paarl** geographical area)
- x 15 (estimated number of bait stations for **Worcester** geographical area)
- x 9 (estimated number of bait stations for **Ceres** geographical area)
- x 9 (estimated number of bait stations for **Robertson & Montagu** geographical area)

= annual amount

**“If and when required” monthly service fee per tamper-proof bait station:**

Unit price per service per bait station

- x 15 (estimated number of bait stations for **Stellenbosch** geographical area)
- x 12 (estimated number of bait stations for **Paarl** geographical area)
- x 15 (estimated number of bait stations for **Worcester** geographical area)
- x 9 (estimated number of bait stations for **Ceres** geographical area)
- x 9 (estimated number of bait stations for **Robertson & Montagu** geographical area)

x 12 months

= annual amount

- 10.12 The District Municipality reserves the right to amend the quantities at its discretion in order to meet operational requirements.
- 10.13 Further cognisance should be taken that the District Municipality reserves the right to suspend, or partly suspend, any or all of the required services at any of the identified sites in the respective geographical areas.

**11. REMUNERATION**

- 11.1 Cognisance should be taken that all services related to this tender, including standard and ad hoc services, may only be commenced with after the issuing of an official order by the Cape Winelands District Municipality.
- 11.2 The successful service provider must submit monthly invoices to the Cape Winelands District Municipality, not later than the 7<sup>th</sup> day of the month following the month for which the services were rendered.
- 11.3 The successful service provider must submit invoices for ad hoc services to the Cape Winelands District Municipality, not later than 7 days after completion of the services being rendered.
- 11.4 All invoices must clearly stipulate the prices per product/service, as well as the unit price and numbers, where applicable.
- 11.5 No advance payments will be made for any reason whatsoever. Invoices rendered will be payable within 30 days.
- 11.6 The successful service provider must submit separate invoices for each location and type of service rendered.
- 11.7 The Cape Winelands District Municipality will only process invoices for payment if it is accompanied by advice slips, signed by the Representative of the specific building of the Cape Winelands District Municipality.



## 12. DELIVERABLES

- 12.1 Utilization of pesticides that have no adverse side effects on the occupants of the District Municipality's buildings, do not stain or taint, have no offensive odour (are virtually odourless), leave no unsightly deposits and conform to national or local legislation on pesticides usage.
- 12.2 Only registered qualified Pest Control Operators allowed to perform services in buildings or facilities of the Cape Winelands District Municipality.
- 12.3 Special requests attended to as expeditiously as possible and not later than forty-eight (48) hours of it being reported to the service provider, or within a timeframe as mutually agreed upon between the service provider and the Cape Winelands District Municipality.



**G. FORM OF OFFER**

**OFFER**

The Cape Winelands District Municipality, identified in the acceptance signature block, has solicited offers to enter into a Contract in respect of the following works:

**T 2021/010: PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024**

The bidder, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the tender schedules, and by submitting this offer has accepted the Conditions of Tender and offers to perform all of the obligations and liabilities under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount of be determined in accordance with the conditions of contract identified in the Conditions of Contract.

By the representative of the bidder, deemed to be duly authorized, signing this part of this form of offer and acceptance, the bidder offers to perform all of the obligations and liabilities of the Service Provider under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount of be determined in accordance with the conditions of contract identified in the Conditions of Contract.

**For proper evaluation purposes it is essential that this specific pricing schedule be completed in full and signed. Alternative pricing schedules will not be accepted**

This offer may be accepted by the Cape Winelands District Municipality by signing the Acceptance part of this form of offer and acceptance and returning one copy of this document to the bidder before the end of the period of validity Stated in the Conditions of Tender, whereupon the bidder becomes the party named as the Service Provider in the Conditions of Contract.

Signature(s):  .....

Name(s): KATHEN KAREN SMITH .....

Capacity for the Tenderer: OWNER .....

Name of organization: XCEL ENVIRONMENTAL SERVICES .....

Name and Signature of Witness: Abraham's Moolamman ABRAHAM'S Date: 18.6.21




**PRICING SCHEDULE: COMPULSORY QUARTERLY PEST DISINFESTATION SERVICES AND  
MONTHLY MAINTENANCE OF BAIT STATIONS  
YEAR ONE: PERIOD ENDING 30 JUNE 2022**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
Quarterly Pest Disinfestation Services	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
Rodent Control: Once-off Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
Rodent Control: Monthly service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27
<b>INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED</b>				
Stellenbosch	<input checked="" type="checkbox"/>	Paarl	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ceres	<input checked="" type="checkbox"/>	Worcester	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Robertson & Montagu	<input checked="" type="checkbox"/>			

**NAME OF SERVICE PROVIDER:** Xcell Environmental Services

**SIGNED ON BEHALF OF SERVICE PROVIDER:** 

**DATE:** 18.06.21

Cape Winelands District Municipality  
Tender No: 2021/010  
Opened at 11h00 on  
23 JUN 2021  
Wharf:  42

**PRICING SCHEDULE: SERVICES "AS AND WHEN REQUIRED"  
YEAR ONE: PERIOD ENDING 30 JUNE 2022**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
<b>Quarterly Pest Disinfestation Services</b>	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
<b>Rodent Control: Once-off</b> Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
<b>Rodent Control: Monthly</b> service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27

INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED

Stellenbosch	<input checked="" type="checkbox"/>	Paarl	<input checked="" type="checkbox"/>
Ceres	<input checked="" type="checkbox"/>	Worcester	<input checked="" type="checkbox"/>
Robertson & Montagu	<input checked="" type="checkbox"/>		

NAME OF SERVICE PROVIDER: XCEL ENVIRONMENTAL SERVICES

SIGNED ON BEHALF OF SERVICE PROVIDER: [Signature]

DATE: 18.06.21



**PRICING SCHEDULE: COMPULSORY QUARTERLY PEST DISINFESTATION SERVICES AND MONTHLY MAINTENANCE OF BAIT STATIONS**

**YEAR TWO: 01 JULY 2022 TO 30 JUNE 2023**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
Quarterly Pest Disinfestation Services	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
Rodent Control: Once-off Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
Rodent Control: Monthly service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27

**INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED**

Stellenbosch	✓	Paarl		✓
Ceres	✓	Worcester		✓
Robertson & Montagu	✓			

**SIGNED ON BEHALF OF SERVICE PROVIDER:** 

**DATE:** 18 06 21

Cape Winelands District Municipality <b>TENDER</b> Opened at 11h00 on <b>23 JUN 2021</b>  14 Phosco:
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**PRICING SCHEDULE: SERVICES "AS AND WHEN REQUIRED"  
YEAR TWO: 01 JULY 2022 TO 30 JUNE 2023**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
<b>Quarterly Pest Disinfestation Services</b>	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
<b>Rodent Control: Once-off</b> Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
<b>Rodent Control: Monthly</b> service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27.

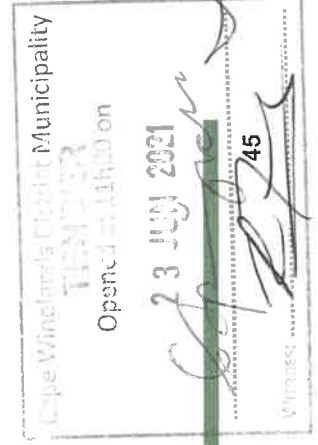
INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED

Stellenbosch	<input checked="" type="checkbox"/>	Paarl	<input type="checkbox"/>
Ceres	<input checked="" type="checkbox"/>	Worcester	<input checked="" type="checkbox"/>
Robertson & Montagu	<input checked="" type="checkbox"/>		

NAME OF SERVICE PROVIDER: Xcell Environmental Services.

SIGNED ON BEHALF OF SERVICE PROVIDER: \_\_\_\_\_

DATE: 18.06.21



**PRICING SCHEDULE: COMPULSORY QUARTERLY PEST DISINFESTATION SERVICES AND  
MONTHLY MAINTENANCE OF BAIT STATIONS**

**YEAR THREE: 01 JULY 2023 TO 30 JUNE 2024**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
Quarterly Pest Disinfestation Services	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
Rodent Control: Once-off Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
Rodent Control: Monthly service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27

**INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED**

Stellenbosch	✓	Paarl	
Ceres	✓	Worcester	
Robertson & Montagu	✓		

**NAME OF SERVICE PROVIDER:** Xcell Environmental Services

**SIGNED ON BEHALF OF SERVICE PROVIDER:** [Signature]

**DATE:** 18.06.21

Cape Winelands District Municipality Tender Opened at 11h00 on <b>23 JUN 2021</b> Witness: <u>[Signature]</u>
---

**PRICING SCHEDULE: SERVICES "AS AND WHEN REQUIRED"  
YEAR THREE: 01 JULY 2023 TO 30 JUNE 2024**

Description	Unit	Unit Cost (Excl. VAT)	VAT @ 15%	Unit Cost (Incl. VAT)
Quarterly Pest Disinfestation Services	m <sup>2</sup>	R 0.85	R 0.12	R 0.97
Rodent Control: Once-off Supply and installation of tamper-proof bait stations, inclusive of bait	Per bait station	R 68.00	R 10.20	R 78.20
Rodent Control: Monthly service fee per tamper-proof bait station	Per bait station	R 18.50	R 2.77	R 21.27

**INDICATE BELOW WITH A "X" FOR WHICH GEOGRAPHICAL AREA THIS TENDER IS SUBMITTED**

Stellenbosch	✓	Paarl	
Ceres	✓	Worcester	
Robertson & Montagu	✓		

**NAME OF SERVICE PROVIDER:** Xoeli Environmental Services

**SIGNED ON BEHALF OF SERVICE PROVIDER:** [Signature]

**DATE:** 18.06.21





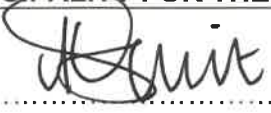


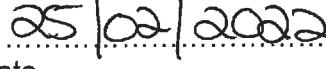
## H. ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderers offer. In consideration thereof, the Employer shall pay the Service Provider the amount due in accordance with the Conditions of Contract identified in the contract that is the subject of this agreement.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to, and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule, which must be signed by the authorized representative(s) of both parties.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the Contract Data at, or just after, the date this agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now Service Provider) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

<b>ACCEPTANCE</b> (to be completed by the Cape Winelands District Municipality)	
<b>T 2021/010: PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024</b>	
 ..... K Smit Director Support Services	 ..... Date
 ..... Me. E Niemand Witness	 ..... Date

# I. QUESTIONNAIRE

List all partners / members / directors of this enterprise			
Van / Surname / Ifani	Voornaam / First name / Amagama	ID Nr./No. Inombolo	State Employee Number
SMITH	KATNEY KAREN	6403045031085	N/A
SMITH	MURIEL OUIDIA	6802020269083	N/A

## BROAD-BASED BLACK ECONOMIC EMPOWERMENT (Act 53 of 2003)

**LW!** Om Voorkeerpunte te eis moet 'n gesertifiseerde afskrif van u Gebalanseerde Breë Basis Swart Ekonomiese Bemagtigings-telkaart voorgelê word tesame met die MBD 6.1 Eisvorm vir punte.

**NBI** To claim Preference points a certified copy of your Balanced Broad-Based Black Economic Empowerment Score Card must be submitted with the MBD 6.1 Claim Form.

**QAPHELA!** Ukuba ufuna ukwenza ibango lamanqaku akhethekileyo, kufuneka ukuba isicelo sakho sekopi eqinisekisiweyo ye Balanced Broad-Based Black Economic Empowerment Score Card ihambe kunye nefomu eyi MBD 6.1 Claim Form.

Vir meer inligting besoek: / For more information please visit: / Inkcukach ezithe vetshe uzakuzifumana aph:

The Department of Trade and Industry: <http://bee.thedti.gov.za/>  
 South African National Accreditation System: <http://www.sanas.co.za/directory.php>  
 Independent Regulatory Board of Auditors: <http://irba.co.za/index.php>

*XCEL ENVIRONMENTAL SERVICES*

### Besigheid of persoon se naam:- / Business or person's name:- / Igama leshishini okanye lomntu

- \*\*1. Persentasie aandeelhouing van persone (HBI) in die besigheid wat histories benadeel is as gevolg van onregverdige diskriminasie gebaseerd op **ras**.  
 Percentage of shareholding of persons (HDI) in the business historically disadvantaged because of unfair discrimination based on **race**.  
 Ipersenti yesabelo sabantu kwishishini elalisakuthinteleka ekuxhamleni amalungelo athile ngenxa yobandlululo **ngokobuhlanga**. 100 %
2. Persentasie aandeelhouing van persone (HBI) in die besigheid wat histories benadeel is as gevolg van onregverdige diskriminasie gebaseerd op **geslag**.  
 Percentage of shareholding of persons (HDI) in the business historically disadvantaged because of unfair discrimination based on **gender**.  
 Ipersenti yesabelo sabantu kwishishini elalisakuthinteleka ekuxhamleni amalungelo athile ngenxa yobandlululo **ngokwesini**. 60 %
3. Persentasie aandeelhouing van persone (HBI) in die besigheid wat histories benadeel is as gevolg van onregverdige diskriminasie gebaseerd op **gestremdeheid**.  
 Percentage of shareholding of persons (HDI) in the business historically disadvantaged because of unfair discrimination based on **disability**.  
 Ipersenti yesabelo sabantu kwishishini elalisakuthinteleka ekuxhamleni amalungelo athile ngenxa yobandlululo **ngokobulwelwe**. NIL %
4. Persentasie aandeelhouing van persone geklassifiseer as **jeug**. (18 – 35 Jaar oud).  
 Percentage of shareholding of persons in the business classified as **youth**. (18 – 35 Years old)  
 Ipersenti labantu abanezabelo kwinkonzo zoshishino ababizwa ngokuba **lulutsha** (18 – 35 Yeminyaka) NIL %
5. Is u besigheid geleë binne die jurisdiksie van die Distriksmunisipaliteit? In / Uit  
 Is your business established within the area of jurisdiction of the District Municipality? In / Out  
 Ingaba ishishini lakho limi kwingingqi elawulwa nguMasipala wesithili? Ngaphakathi / Ngaphandle  
 In/Ngaphakathi  
 Uit/Out/Ngaphandle
6. Maak u gebruik van plaaslike arbeid (werkskepping)? Ja / Nee  
 Do you make use of local labour (job creation)? Yes / No  
 Uyawasebenzisa amathuba avelayo odalo lomsebenzi (ukudala umsebenzi)? Ewe / hayi  
 Ja/Yes/Ewe  
 Nee/No/Hayi

## J. DECLARATION OF INTEREST – (MBD 4 B)

(On behalf of the company and its directors/ members/ trustees/ principle shareholders<sup>2</sup>)

1. No bid/database registration will be accepted from persons in the service of the state<sup>1</sup>.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid/database registration. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in the service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid/database registration in respect of owners/shareholders<sup>2</sup> of the company.

3.1	Full Name of bidder or his or her representative	WATNEY WARREN SMITH.
3.2	Identity Number (person submitting this declaration)	6403045031085
3.3	Position occupied in the Company (official/director/trustee/shareholder <sup>2</sup> ):	OWNER
3.4	Company Registration Number	2005 / 015685 / 23
3.5	Tax Reference Number	9065240161
3.6	VAT Registration Number	4260224854
3.7	The names of all directors/ members/ trustees/ principle shareholders, their individual identity numbers, personal tax reference numbers and state employee numbers must be indicated in paragraph 4 below	

3.8	Are you or any director/ member/ trustee/ principle shareholder presently in the service of the state?	Yes	<input checked="" type="checkbox"/> No
3.8.1	If yes, furnish particulars. (Please write in Block Letters. Add separate page if more than one.)		
SA ID Number:		Relation:	
Surname:		Persal No:	
Full Names:	N/A.		
Organ of State:		Position:	

3.9	Have you or any director/ member/ trustee/ principle shareholder been in the service of the state for the past twelve months?	Yes	<input checked="" type="checkbox"/> No
3.9.1	If yes, furnish particulars. (Please write in Block Letters. Add separate page if more than one.)		
SA ID Number:		Relation:	
Surname:		Persal No:	
Full Names:	N/A.		
Organ of State:		Position:	

3.10	Do you or any director/ member/ trustee/ principle shareholder have any relationship (family, friend, other) with persons in the service of the state and/or who may be involved with the evaluation and/or adjudication of this or any other prospective bid?	Yes	<input checked="" type="checkbox"/> No
------	--	-----	--

3.10.1	If yes, furnish particulars. (Please write in Block Letters. Add separate page if more than one.)		
SA ID Number:		Relation:	
Surname:		Persal No:	
Full Names:	N/A.		
Organ of State:		Position:	

3.11	Are you aware of any relationship (family, friend, other) between you or any director/ member/ trustee/ principle shareholder and any persons in the service of the state who may be involved with the evaluation and/or adjudication of this or any other prospective bid?	Yes	<input checked="" type="checkbox"/> No
------	---	-----	--

3.11.1	If yes, furnish particulars. (Please write in Block Letters. Add separate page if more than one.)		
SA ID Number:		Relation:	
Surname:		Persal No:	
Full Names:	N/A.		
Organ of State:		Position:	

3.12	Is any spouse, child or parent of the company's directors/ members/ trustees/ principle shareholders or stakeholders in the service of the state?	Yes	<input checked="" type="checkbox"/> No
------	---	-----	--

3.12.1	If yes, furnish particulars. (Please write in Block Letters. Add separate page if more than one.)		
SA ID Number:		Relation:	
Surname:		Persal No:	
Full Names:	N/A.		
Organ of State:		Position:	

3.13	Do you or any director/ member/ trustee/ principle shareholder/ stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract.	Yes	<input checked="" type="checkbox"/> No
------	--	-----	--

3.13.1	If yes, furnish particulars. N/A.		
--------	--------------------------------------	--	--

3.14	Is the supplier or any director/ member/ trustee/ principle shareholder listed on the National Treasury's database as a company or person prohibited from doing business with the public sector?	Yes	<input checked="" type="checkbox"/> No
------	--	-----	--

3.14.1	If yes, furnish particulars. N/A.		
--------	--------------------------------------	--	--

3.15	Is the supplier or any director/ member/ trustee/ principle shareholder listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?	Yes	<input checked="" type="checkbox"/> No
3.15.1	If yes, furnish particulars. ..... ..... .....		

3.16	Was the supplier or any director/ member/ trustee/ principle shareholder convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes	<input checked="" type="checkbox"/> No
3.16.1	If yes, furnish particulars. ..... .....		

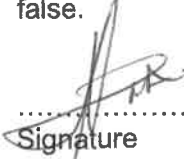
3.17	Does the supplier or any director/ member/ trustee/ principle shareholder owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes	<input checked="" type="checkbox"/> No
3.17.1	If yes, furnish particulars. ..... ..... The municipality may not do business with individuals/businesses, including that of all the owners/partners/members/directors, whose municipal rates and taxes and/or service charges are in arrears for more than three (3) months unless arrangements have been made with the municipality to settle such arrears. Refer to SCM Regulation 38(d). (Certified copies of your <i>most current</i> accounts/statements and/or proof of any arrangement to be submitted <b>every three</b> months – provide individual information in the schedule under par. 4.		

3.18	Was any contract between the supplier and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes	<input checked="" type="checkbox"/> No
3.18.1	If yes, furnish particulars. ..... .....		

4	<p><b>MFMA Circular No 62 of July 2013</b> require bidders to submit the names of their directors/ trustees/ shareholders, their individual identity numbers, personal tax reference numbers and employee numbers of those who are in the service of the state as defined in the Municipal Supply Chain Management Regulations as part of their bid submissions. <b>A shareholder is defined as a person who owns shares in the company and is actively involved in the management of the company or business, and exercises control over the company.</b></p>	Full name of directors / trustees / shareholders	Identity Number	% Share-holding in company	Personal Tax Reference Number	State Employee Number (Persal)	Municipal rates & services account numbers (3.17.1) Municipal clearance or most recent service account must be attached as evidence
1		KAREN SMITH	6403045031085	40	2929736037	-	201 837 043
2		MURIEL SMITH	6802020267083	60	7730756352	-	201 837 043
3							
4							
5							
6							
7							
8							
9							
10							



I, the under signed, certify that the information furnished on this declaration form is true and correct. I accept that my/my company's bid/registration may be rejected and in addition to the rejection that action may be taken against me/ my company should this declaration prove to be false.

  
Signature

21.06.2021  
Date

OWNER  
Capacity of Signatory

XCELL ENVIRONMENTAL SERVICES  
Name of Bidder/Company/CC Name

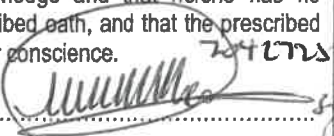
**MANDATORY SECTION: THIS DECLARATION WILL NOT BE ACCEPTED IF NOT CERTIFIED:**

- <sup>1</sup> MSCM Regulations: "in the service of the state" means to be –
- (a) a member of –
    - (i) any municipal council;
    - (ii) any provincial legislature; or
    - (iii) the national Assembly or the national Council of provinces;
  - (b) a member of the board of directors of any municipal entity;
  - (c) an official of any municipality or municipal entity;
  - (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
  - (e) a member of the accounting authority of any national or provincial public entity; or
  - (f) an employee of Parliament or a provincial legislature.
- <sup>2</sup> "Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

**Commissioner of Oaths**

Signed and sworn to before me at MACASSAR

on this the 21 day of June 2021 by the Deponent, who has acknowledged that he/she knows and understands the contents of this Affidavit, it is true and correct to the best of his/her knowledge and that he/she has no objection to taking the prescribed oath, and that the prescribed oath will be binding on his/her conscience.

Commissioner of Oaths 

Position: Sergeant

Address NO. 01 Hospital street  
MACASSAR SAPS  
MACASSAR

Tel: 021 857 7100

**Apply official stamp of authority on this page:**

SUID-AFRIKAANSE POLISSTEDIENS  
COMMUNITY SERVICE CENTRE

21 JUN 2021

COMMUNITY SERVICE CENTRE  
SOUTH AFRICAN POLICE SERVICE

This document is compulsory, in terms of Regulation 44 of the Supply Chain Management Regulations, to do business with any municipality – If not endorsed by a Commissioner of Oaths, or failure to submit it, will disqualify your business from the acquisitioning process. (Must be submitted annually)



**K. DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED (MBD 5))**

For all procurement expected to exceed R10 (all applicable taxes included), bidders must complete the following questionnaire:

1.	Are you by law required to prepare annual financial statements for auditing?	Yes <input type="radio"/> No <input checked="" type="radio"/>
1.1	<p>If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.</p> <p>.....</p> <p>..... <i>N/A</i> .....</p> <p>.....</p> <p>.....</p>	
2.	Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days?	Yes <input type="radio"/> No <input checked="" type="radio"/>
2.1	<p>If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.</p>	
2.2	<p>If yes, provide particulars.</p> <p>.....</p> <p>..... <i>N/A</i> .....</p> <p>.....</p> <p>.....</p>	
3	Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material noncompliance or dispute concerning the execution of such contract?	Yes <input type="radio"/> No <input checked="" type="radio"/>
3.1	<p>If yes, furnish particulars</p> <p>.....</p> <p>..... <i>N/A</i> .....</p> <p>.....</p> <p>.....</p>	
4	Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic?	Yes <input type="radio"/> No <input checked="" type="radio"/>



4.1	<p>If yes, furnish particulars</p> <p>.....</p> <p>..... <i>N/A.</i> .....</p> <p>.....</p> <p>.....</p>
-----	--

**CERTIFICATION**

I, THE UNDERSIGNED (NAME) WARREN SMITH .....

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

*WS* .....

Signature Date 18-06-21

OWNER .....

Position Name of Bidder XCELL ENVIRONMENTAL SERVICES

*WS*

## L. PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017 (MBD 6.1)

This document serves as a claim form to qualify for preference points in respect of Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution and must accompany an original certified copy of the applicable certificate.

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

### 1. GENERAL CONDITIONS

- 1.1 The following preference point system is applicable to all bids:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included)
- 1.2 The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore only the 80/20 preference point system shall be applicable.
- 1.3 Preference points for this bid shall be awarded for:
- (a) Price; and
  - (b) B-BBEE Status Level of Contributor.
- 1.4 The maximum points for this bid are allocated as follows:

	POINTS
Price	80
B-BBEE status level of contributor	20
Total points for Price and B-BBEE must not exceed	100

- 1.5 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

### 2. DEFINITIONS

- (a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) **"B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black

Economic Empowerment Act;

- (f) **“Functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) **“prices”** includes all applicable taxes less all unconditional discounts;
- (h) **“proof of B-BBEE status level of contributor”** means:
  - 1) B-BBEE Status level certificate issued by an authorized body or person;
  - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- (i) **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- (j) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

### 3. POINTS AWARDED FOR PRICE

#### 3.1 THE PREFERENCE POINT SYSTEM

A maximum of 80 points is allocated for price on the following basis: 80/20

$$Ps = 80 \left( 1 - \frac{Pt - P \min}{P \min} \right)$$

Where

- Ps = Points scored for price of bid under consideration
- Pt = Price of bid under consideration
- Pmin = Price of lowest acceptable bid

### 4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

### 5. BID DECLARATION

- 5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

#### 6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 6.1 B-BBEE Status Level of Contributor: = 1 (maximum of 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.)

**7. SUB-CONTRACTING**

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES		NO	<input checked="" type="checkbox"/>
-----	--	----	-------------------------------------

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted ..... %
- ii) The name of the sub-contractor..... *n/a*
- iii) The B-BBEE status level of the sub-contractor..... *n/a*
- iv) Whether the sub-contractor is an EME or QSE  
(Tick applicable box)

YES		NO	
-----	--	----	--

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at least 51% owned by:	EME	QSE
Black people	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Black people who are youth		
Black people who are women	<input checked="" type="checkbox"/>	
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

**8. DECLARATION WITH REGARD TO COMPANY/FIRM**

8.1 Name of company/firm: *XCEL ENVIRONMENTAL SERVICES*

8.2 VAT registration number: *4260224854*

8.3 Company registration number: *2005/075685/23*

- 8.4 TYPE OF COMPANY/ FIRM
- Partnership/Joint Venture / Consortium
  - One person business/sole propriety
  - Close corporation
  - Company
  - (Pty) Limited
- [TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

*PEST CONTROL SERVICES.*

8.6 COMPANY CLASSIFICATION

- Manufacturer
  - Supplier
  - Professional service provider
  - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

8.7 MUNICIPAL INFORMATION

Municipality where business is situated: CITY OF CAPE TOWN

Registered Account Number: 201 837 043

Stand Number: 2985

8.8 Total number of years the company/firm has been in business: 16

8.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
  - (a) disqualify the person from the bidding process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) Forward the matter for criminal prosecution.

Signature of Bidders: [Signature]

DATE: 18.06.21

ADDRESS: 88 LINK AVENUE BELL GREN MACASSAR. 7130.

WITNESSES:

- 1. [Signature]
- 2. [Signature]

[Signature]

**M. CONTRACT FORM – RENDERING OF SERVICES (MBD 7.2)**


**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

**PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)**

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution) CAPE TOWN METROPOLITAN MUNICIPALITY in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number T.2021/010 at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
  - (i) Bidding documents, viz
    - Invitation to bid;
    - Tax clearance certificate;
    - Pricing schedule(s);
    - Filled in task directive/proposal;
    - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
    - Declaration of interest;
    - Declaration of Bidder's past SCM practices;
    - Certificate of Independent Bid Determination;
    - Special Conditions of Contract;
  - (ii) General Conditions of Contract; and
  - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

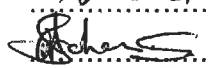
Name WARREN SMITH


Capacity OWNER

Signature 

Company name XCELL ENVIRONMENTAL SERVICES

Date 18.06.21

Witness 1  Date 18.06.21

Witness 2  Date 18.06.21

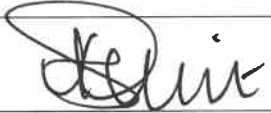
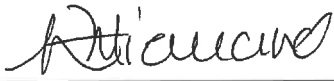



**PART 2 - RENDERING OF SERVICES**

1. I, **Karina Smit** in my capacity as **Director Support Services** accept your bid under reference number **T 2021/010** dated **23/06/2021** for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

<b>Tender/ Quotation number:</b>	<b>T 2021/010: PROVISION OF PEST DISINFESTATION AND RODENT CONTROL SERVICES AT VARIOUS OFFICE BUILDINGS AND FACILITIES OF THE CAPE WINELANDS DISTRICT MUNICIPALITY FOR THE PERIOD ENDING 30 JUNE 2024</b>
<b>Awarded to:</b>	Xcell Environmental Services
<b>Delivery Period</b>	Period ending 30 June 2024
<b>B-BBEE Status level of contribution</b>	1
<b>Minimum threshold for Local Production and Content</b>	Not applicable
<b>Price including VAT</b>	Various prices

4. I confirm that I am duly authorized to sign this contract, signed at Stellenbosh.

<b>Name</b>	Karina Smit	
<b>Signature</b>		25/02/2022
<b>Witness 1</b>		25/02/2022
<b>Witness 2</b>		25/02/2022

## N. DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES – MBD 8

1. This Municipal Bidding Document must form part of all bids invited.
2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
3. The bid of any bidder may be rejected if that bidder, or any of its directors have:
  - Abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
  - Been convicted of fraud or corruption during the past five years;
  - Willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - Been listed in the Register of Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No12 of 2004)
4. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?  (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the audi alteram partem rule was applied).  The Database of Restricted Suppliers now resides on the National Treasury's website ( <a href="http://www.treasury.gov.za">www.treasury.gov.za</a> ) and can be accessed by clicking on its link at the bottom of the home page.		✓
4.1.1	If so, furnish particulars: ..... ..... .....		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?  The Register for Tender Defaulters can be accessed on the National Treasury's website ( <a href="http://www.treasury.gov.za">www.treasury.gov.za</a> ) by clicking on its link at the bottom of the home page.		✓
4.2.1	If so, furnish particulars: ..... ..... .....		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?		✓
4.3.1	If so, furnish particulars: ..... ..... .....		

68  
*[Signature]*



4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?		✓
4.2.1	If so, furnish particulars: ..... <i>N/A.</i> .....		
4.3	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?		✓
4.3.1	If so, furnish particulars: ..... <i>N/A.</i> .....		

**CERTIFICATION**

I, THE UNDERSIGNED (FULL NAME) WARREN SMITH.....CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

*WARREN SMITH*  
Signature

18.06.21  
Date

OWNER.  
Position

XCEL ENVIRONMENTAL SERVICES.  
Name of Bidder

*WARREN SMITH*

**O. CERTIFICATE OF INDEPENDENT BID DETERMINATION (MBD 9)**

1. This Municipal Bidding Document (MBD) must form part of all bids<sup>1</sup> invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - a. take all reasonable steps to prevent such abuse;
  - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
4. This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

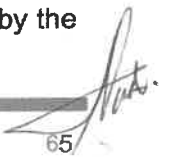
I, the undersigned, in submitting the accompanying bid:

T2021/010 PEST DISINFESTATION AND RODENT CONTROL SERVICES  
(Bid Number and Description)

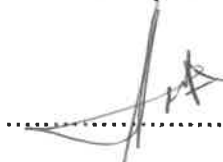
in response to the invitation for the bid made by: CAPE WINELANDS DISTRICT MUNICIPALITY do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: XCELL ENVIRONMENTAL SERVICES that:  
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;

  
65

5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) Has been requested to submit a bid in response to this bid invitation;
  - (b) Could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) Provides the same goods and services as the bidder and/or is in the same line of business as the bidder
  
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium<sup>3</sup> will not be construed as collusive bidding.
  
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - (a) Prices;
  - (b) Geographical area where product or service will be rendered (market allocation)
  - (c) Methods, factors or formulas used to calculate prices;
  - (d) The intention or decision to submit or not to submit, a bid;
  - (e) The submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) Bidding with the intention not to win the bid.
  
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
  
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
  
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No. 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004 or any other applicable legislation.

  
 .....  
 Signature

18.06.21  
 .....  
 Date

OWNER.  
 .....  
 Position

XCEU ENVIRONMENTAL SERVICES.  
 .....  
 Name of Bidder

<sup>3</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.



**P. MUNICIPAL RATES AND SERVICES**

Names of Directors / Partners	Physical residential address of the Directors / Partners	Municipal Account Number	Name of Municipality
Kild SMITH.	88 LINK AVENUE		CITY OF
M/O SMITH.	BELL GLEN	201 957 043.	CAPE
	MACASSAR - 7130		Town

**NB: Please attach certified copy/copies of the Municipal Account(s)**

**DECLARATION:**

I, the undersigned (name) WARREN SMITH.  
 Certify that the information furnished above is correct. I accept that the state may act against me should this declaration prove to be false.

[Signature]  
 Signature

18.06.21  
 Date

OWNER.  
 Position

XCEL ENVIRONMENTAL SERVICES.  
 Name of Bidder

[Signature]

**Q. AUTHORITY FOR SIGNATORY**

We, the undersigned, hereby authorize Mr/Mrs WARREN SMITH.  
 acting in his/her capacity as OWNER.  
 of the business trading as XCEL ENVIRONMENTAL SERVICES.  
 to sign all documentation in connection with Tender T2021/010

Name of members / directors	Signature	Date
WARREN SMITH.		18.06.21
		18.06.21
MURIEL SMITH.		

Note: If bidders attached a copy of their Authorized Signatory it is not necessary to complete this form.



**R. CREDIT ORDER INSTRUCTION**

It is the policy of the Cape Winelands District Municipality to pay all creditors by means of direct bank transfers. Please complete this information and acquire your banker's confirmation.

**DETAILS OF FIRM/INSTITUTION**

Name	X	C	E	L	L	E	N	V	I	R	O	N	M	E	N	T	A	L

**DETAILS OF MY/OUR BANK ACCOUNT ARE AS FOLLOWS:**

NAME OF BANK	S	T	A	N	D	A	R	D	B	A	N	K
NAME OF BRANCH	H	E	L	D	E	R	B	E	R	G		
BRANCH CODE	0	5	1	0	0	1						
ACCOUNT NUMBER	0	7	2	4	0	3	2	6	8			
TYPE OF ACCOUNT	2	1 = Cheque <input checked="" type="checkbox"/>	2 = Savings									

I/we hereby request and authorise the Cape Winelands district municipality to pay any amounts that may accrue to me/us to the credit of my/our bank account.

I/we understand that a payment advice will be supplied by the Cape Winelands District municipality in the normal way that will indicate the date on which funds will be available in my/our bank account and details of payment.

I/we further undertake to inform the Cape Winelands District municipality in advance of any change in my/our bank details and accept that this authority may only be cancelled by me/us by giving thirty days' notice by prepaid registered post.

*W. Smit*  
 .....  
 INITIALS AND SURNAME:

*[Signature]*  
 .....  
 AUTHORISED SIGNATURE:

8.6.21  
 .....  
 DATE:

083 761-5178  
 .....  
 TELEPHONE NUMBER:

**FOR BANK USE ONLY**

I/we hereby certify that the details of our clients bank account as indicated on the credit order instruction is correct:

*[Signature]*  
 .....  
 AUTHORISED SIGNATURE



**FOR FULL SUPPLIER ACCREDITATION ALL PARTS MUST BE COMPLETED AND SIGNED:**

*[Handwritten mark]*

## S. COMPULSORY DOCUMENTATION / CHECKLIST

PLEASE ENSURE THAT THE FOLLOWING FORMS HAVE BEEN DULY COMPLETED AND SIGNED AND THAT ALL DOCUMENTS AS REQUESTED, ARE ATTACHED TO THE TENDER DOCUMENT: (Failure to submit this documentation shall lead to disqualification)

<b>Form G - Form of offer</b> Is the form duly completed and signed?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form J – Declaration of Interest (MBD4)</b> Is the personal declaration from each and every owner / member / director duly completed, certified and signed?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form K – Certificate of Independent Bid Determination (MBD 9)</b> Is the form duly completed and signed?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form L – Preference Points Claim – (MBD 6.1)</b> Is the form duly completed and signed?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form M - Contract Form</b> Is the form duly completed and signed?		<input checked="" type="checkbox"/>		
<b>Form N – Municipal Rates and services</b> Is a certified copy of the <u>bidder's and those of its director's</u> municipal accounts (for the Municipality where the bidder pays his account) for the month preceding the tender closure date attached?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form O– Authority for Signatory</b> Is the form duly completed and is a certified copy of the resolution attached?	Yes	<input checked="" type="checkbox"/>	No	
<b>Form P – Declaration of Past Supply Chain Practices (MBD 8)</b> Is the form duly completed and signed?	Yes	<input checked="" type="checkbox"/>	No	
<b>Tax Compliance Status</b> Is your unique personal identification number (pin) issued by SARS attached?	Yes	<input checked="" type="checkbox"/>	No	

Additional documents applicable to this specific tender:				
<b>Compensation for Occupational Injury and Diseases Act (COIDA)</b> Is the letter of Good Standing attached?	Yes	<input checked="" type="checkbox"/>	No	
<b>Company profile</b> Is a company profile attached?	Yes	<input checked="" type="checkbox"/>	No	

**Failure to submit the following certificate will not lead to disqualification, but the tenderer will score 0 points for B-BBEE during the evaluation of tender offers.**

<b>B-BBEE Certificate</b> Is a certified copy of the B-BBEE or Original certificate attached?	Yes	<input checked="" type="checkbox"/>	No	
--	-----	-------------------------------------	----	--

I, WARREN SMITH..... confirm that all compulsory documents for this tender is duly completed, signed and attached to this document.

Signature: [Signature].....

Date: 18.06.21.....

## T. REFERENCES

This schedule is to determine the capability of the bidder to execute the contract.

At least three (3) reference letters from companies with whom the service providers are/have conducted business relating to the terms of reference of this tender must be included in the tender document, together with the contact details of the references, alternatively reference letters must be submitted within a timeframe as to be determined by the Cape Winelands District Municipality.

Company Name	WJCG DEPARTMENT OF HEALTH
Description of project	PEST CONTROL SERVICES & RODENT CONTROL
Contact person name	NEELIS DE VILLIERS.
Contact person telephone number	082 928 6134
Value of project	R 750,000.00

Company Name	EIKESTAD JOINT VENTURE
Description of project	PEST CONTROL
Contact person name	CHRIS BRUMMER
Contact person telephone number	021 886-6267
Value of project	R 144 000.00 PER ANNUM (ONGOING)

Company Name	ROTHLOFF GROUP (KFC)
Description of project	PEST CONTROL
Contact person name	KAREN PRETORIUS
Contact person telephone number	021 853-3208
Value of project	R 510,000.00





Telephone: +27 21 023-1679

Fax: +27 86 582-3381

Mobile: +27 83 761-5178

Email: warren.xcell@telkomsa.net  
accounts@xcellenvironmental.co.za

*Pest Control*



PO Box 2462  
Somerset West  
7130

88 Link Avenue  
Bell Glen  
Macassar, 7129  
Cape Town



# About Us

Xcell Environmental Services was established in 2005 by Watney Warren Smith. After having experience in the pest control industry, he decided to start his own company and specialise in fumigation of shops and premises for cockroaches and pests. He had a lot of requests to carry out other pest control but referred these jobs onto his former employer, as he was busy with fumigation. Eventually, he formed an agreement with a friend in the industry to work together. From this informal partnership, they decided it was better that they parted ways and keep their friendship and form separate companies and share their work load. The business accounts were handled by his wife Muriel Olivia Smith and the business was growing quite considerably. Over the years the business grew and Warren worked full time in pest control. They kept their client base and provided good old fashioned service to grow their business through referrals and repeat business. Warren and Muriel dedicated all their time in the business from 2005 and did all of the administration, sales and marketing themselves. Warren and Muriel is full time in the business and it has grown to a level where it is constantly growing and employing staff but still maintaining the family business values. Warren always quoted *"If you provide the best service and looked after your customers, your business will always grow and people will trust you"*.

Today, Xcell Environmental Services still provide that personalised service. We would like to believe that when you employ Xcell Environmental Services to take care of your pest control matters, you will have piece of mind knowing that the job has been done at the highest possible level with the best chemicals and technology available.

Contact us on **+27 21 023-1679** and speak to one of our friendly staff to fix your pest problem today.



# Our Mission



To provide an environmentally friendly and effective approach to pest control services that is reliable, effective and sustainable through monitoring Techniques as outlined in our Integrated Pest Management system (IPM) and achieve overall process excellence.

# Our Vision



To be the most preferred pest control company providing integrated pest management solutions to both residential, commercial and industrial properties that safeguard our environment, human health and provide peace of mind to our customers.

## CORE VALUES :



Committed to excellence in service delivery



Committed to sustainability of the environment and human health well- being



To provide Innovative, effective, reliable products and services that satisfy our customer needs





## Company Details

### **Company Details:**

Registered Name:	Xcell Environmental Services
Trading Name:	Xcell Environmental Services
Registration number:	2005/075685/23
Enterprise Type:	Close Corporation
Tax number:	9065240161
Vat number:	4260224854
Postal Address:	PO Box 2462 Somerset West 7130
Physical Address:	88 Link Avenue Bell Glen Macassar 7129
Contact number:	021 023-1679
Mobile number:	083 761-5178
Email address:	warre.xcell@telkomsa.net
Nature of business:	Pest Control Services



SOUTH AFRICAN PEST CONTROL ASSOCIATION  
SUID-AFRIKAANSE PLAGGEBEHEERVERENIGING

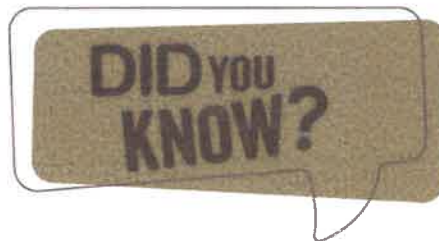
**SAPCA**



# Our Sector



GOLF, HOTELS & RESTAURANTS RESIDENTIAL FACILITIES SCHOOLS, COLLEGES & UNIVERSITIES OFFICES & OTHER BUSINESS FACILITIES CAMPS & REMOTE SITES HOSPITALS & NURSING HOMES BANKING INSTITUTIONS TRANSPORTATION, etc.



**FUMIGATION** Is a process of completely filling an area with gaseous fumigants to poison pests in the sealed area and held for a set period of time to kill any pests using fumigation sheets

**PEST CONTROL** Is a method of eliminating unwanted crawling and flying pests such as Ants, Cockroaches, Rats, Flies, Wasps, Houseflies etc. that interfere with human activity

**PRE-POST CONSTRUCTION TREATMENT** Is a method of prevention termite infestation before and after construction

**SNAKE CONTROL** Is a method of controlling snakes by using some active ingredients to prevent them from interfering with human settlement

**BIRD CONTROL** Is a method of deterring birds from landing on buildings, nesting in food processing areas or warehouses via physical control methods



# OUR VALUED CLIENTS



Theewaterskloof  
Municipality



STELLENBOSCH  
STELLENBOSCH • PNIEL • FRANSCHHOEK  
MUNISIPALITEIT • UMASIPALA • MUNICIPALITY



EIKESTAD  
— MALL —  
STELLENBOSCH



# labour

Department:  
Labour  
REPUBLIC OF SOUTH AFRICA



2020089472

CALL CENTER NO: 0860 105 350

REG NO : 990000341534  
FAX NO : 0123456789  
ISSUE DATE : 2021-06-14  
CERTIFICATE NO : 2020089472

**XCELL ENVIRONMENTAL SERVICES CC C/O DU TOIT ASSOCIATES**  
PO BOX 0  
Macasser

## LETTER OF GOOD STANDING

### COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT 130 of 1993 (AS AMENDED).

With reference to sections 80, 82, 86 and 89 of Compensation for Occupational Injuries and Diseases Act 130 of 1993 (As amended), I hereby certify that:

**XCELL ENVIRONMENTAL SERVICES CC C/O DU TOIT ASSOCIATES**

has complied with the requirement of the above Act and is at present in good standing with the Compensation Fund.

**Nature of business : PEST CONTROL**

**Expiry date : 2022-04-30**

#### IMPORTANT NOTICE:

Any fraudulently obtained Letter of Good Standing shall constitute a criminal offence.

The Compensation Commissioner shall institute criminal proceedings against any perpetrators who unlawfully alter or deface this letter with intend to defraud or misrepresent facts contained therein.

**PLEASE, use the Below link (Website Address) to check if the Letter of Good Standing is valid:**  
<https://cfonline.labour.gov.za/VerifyLOGS>

Yours faithfully

COMPENSATION COMMISSIONER

W.As. 48

Compensation House, Cnr Hamilton and Soutpansberg Road, PO Box 955, Pretoria, 0001 Fax:(012)357-1817 Website:<http://www.labour.gov.za>



07 September 2020

The Manager  
Xcell Environmental Services  
Linkave 88  
MACASSAR  
7130

**Attention of: Warren**

Dear Warren

**PUBLIC LIABILITY INSURANCE: XCELL ENVIRONMENTAL SERVICES**  
**SANTAM POLICY NUMBER: 63121780355/1**

On behalf of Santam, we hereby confirm that the abovementioned policy provides cover in respect of claims which are legally enforceable by any third party, as a result of the negligence of the Company or any of its employees, for loss of or physical damage to tangible property and also for accidental death of or bodily injury of illness to any person not in the employ of the Insured, up to a limit of R5 000 000 (Five million rand).

The cover under this policy has been extended to include liability cover in respect of:

1. General risks at own premises and work away on other premises.
2. Defective workmanship up to a limit of liability of R5 000 000 (Five million rand).
3. Products Liability up to a limit of liability of R5 000 000 (Five million rand).

The cover is also in force at any site or premises in the Republic of South Africa, where employees of the Insured may be working.

The policy premium is being paid monthly and payments are up to date.  
The annual renewal of the policy is on the 01<sup>st</sup> of September each year.

The insurance cover is subject to the conditions, limitations and exclusions set out in the policy wording attached hereto.

Kind regards.

*Alta Smit*

Underwriter



Gemagtigde Finansiële  
Diensteverskaffer

Authorised Financial  
Services Provider



Finansiële Dienstraad  
Lisensienommer: 63

Financial Services Board  
Licence Number: 63

Financial Intermediaries  
Association of Southern Africa (FIA)  
Membership Number:

41

7 September 2020

## XCELL ENVIRONMENTAL SERVICES

Good day Warren,

### SECTION 8 FEES //SHORT-TERM INSURANCE ACT

As you are aware we are currently charging a fee for services performed to you and that is collected by the insurer. The fee currently payable is R30,00 per month and this arrangement has been in place since inception of your policy with us. We do not intend increasing the fee at this stage, but legislation requires that you specifically give consent to the collection of the fee on **Santam Policy Number 63121780355**.

We must inform you of the following information as well as your rights as policyholder:

1. You must agree to the collection of the fee.
2. You may at any time decide to withdraw your consent to the collection of the fee.
3. The fee is charged for the following services provided by us:
  - Negotiating and maintaining product specific for the Pest Control Industry;
  - Enhanced claims support service and claims management;
  - Claims intervention and negotiation;
  - Loss control advice;
  - Confirmation of insurance to Third Parties.
4. The fee does not duplicate any fees or commission payable by the insurer and are not payable for any services that we are remunerated for by commission or other fee payments.


If you agree to the continued collection of the fee kindly sign the consent form below and return to us at [marina@glenwoodbrokers.co.za](mailto:marina@glenwoodbrokers.co.za) no later than 21 September 2020. If you would like to discuss the implications of signing the document, please do not hesitate to contact me on 012 993 9660. Please be assured of our commitment to service excellence and placing your interests central to our business delivery.

Yours sincerely.

*Marina Croukamp.*

INSTRUCTION  
I, WIM SMITH, with ID Number 6463045031085 herewith confirm that I was fully informed of the reasons for the payment of a policy fee additional to normal brokers' commission and administration fees and further that I understand my rights in this regard. I herewith consent to the continued deduction of R30,00 per month from my account until revoked by me in writing.

Signed at S. WEST on this 11 of SEPTEMBER, 2020.

 (client)

**CK2&CK2A**



COMPANIES AND INTELLECTUAL  
PROPERTY REGISTRATION OFFICE

a member of the dti group

Date: 08/12/2010

Our Reference: 710387196

DU TOIT & ASSOCIATES  
E-mail: DUTOIT@ECCSYSTEMS.CO.ZA  
73 VAN NIEKERK STREET  
OAKDALE  
BELLVILLE  
7530

**RE: Application to Amend Close Corporation**  
**Close Corporation Number: 2005/075685/23**  
**Close Corporation Name: XCELL ENVIRONMENTAL SERVICES**

We have received a CK2&CK2A from you dated 07/10/2010.

The Close Corporation 'XCELL ENVIRONMENTAL SERVICES' with Enterprise Number '2005/075685/23' was successfully amended on our database.

Yours truly

**Registrar of Close Corporations**

**Please Note:**

The attached certificate can be validated on the CIPRO web site at [www.cipro.co.za](http://www.cipro.co.za).

The contents of the attached certificate was electronically transmitted to the South African Revenue Services.



COMPANIES AND INTELLECTUAL PROPERTY REGISTRATION OFFICE

Registrar of Companies & Close Corporations

P O. BOX 428, PRETORIA, 0001, Republic of South Africa. Docex 256, PRETORIA.

Call Centre-Fax 086 184 3384. Website [www.cipro.co.za](http://www.cipro.co.za), WAP [www.cipro.co.za/mobile](http://www.cipro.co.za/mobile)

**Certificate issued by the Registrar of Companies & Close Corporations on Wednesday, December 08, 2010 12:06  
Certificate of Amended Founding Statement**



COMPANIES AND INTELLECTUAL PROPERTY REGISTRATION OFFICE

a member of the dti group

Registration Number **2005 / 075685 / 23**

Enterprise Name **XCELL ENVIRONMENTAL SERVICES**

Enterprise Shortened Name **None provided.**

Enterprise Translated Name **None provided.**

Registration Date **22/06/2005**

Business Start Date **22/06/2005**

Enterprise Type **Close Corporation**

Enterprise Status **In Business**

Financial Year End **February**

Tax Number **9065240161**

Number of Members **2**

Aggregate Members' Contribution **R 100.00**

Description of Principal Business **PEST CONTROL**

Postal Address **88 LINK AVENUE  
BELGLEN  
MACASSAR  
7135**

Address of Registered Office **88 LINK AVENUE  
BELGLEN  
MACASSAR  
7135**

**Accounting Officer**

Name **ATTIE BASSON**

Postal Address **73 VAN NIEKERK STREET  
OAKDALE  
BELLVILLE  
7530**

Profession **The South African Institute of Professional Accountants (SAIPA)**

Membership/Practice No **8522**

**Active Members**

Surname and first names	ID number or date of birth	Contrib. (R)	Interest (%)	Appoint-ment date	Addresses
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COMPANIES AND INTELLECTUAL PROPERTY REGISTRATION OFFICE:

Registrar of Companies & Close Corporations

P.O. BOX 429, PRETORIA, 0001, Republic of South Africa. Docex 256, PRETORIA.

Cell Carga Tel 086 184 3384, Website www.cipro.co.za, WAP www.cipro.co.za/mobile

**Certificate issued by the Registrar of Companies & Close Corporations on Wednesday, December 08, 2010 12:06  
Certificate of Amended Founding Statement**



COMPANIES AND INTELLECTUAL  
PROPERTY REGISTRATION OFFICE

a member of the ddti group

Registration number **2005 / 075685 / 23**  
Enterprise Name **XCELL ENVIRONMENTAL SERVICES**

**Active Members**

Surname and first names	ID number or date of birth	Contrib. (R)	Interest (%)	Appoint-ment date	Addresses
SMITH, MURIEL OLIVIA	6802020269083	60.00	60.00	01/10/2010	Postal: P/A DU TOIT & ASSOCIATES, 73 VAN NIEKERK STREET, OAKDALE, BELLVILLE, 7530 Residential: 88 LINK AVENUE, MACASSAR, 7135
SMITH, WATNEY WARREN	6403045031085	40.00	40.00	22/06/2005	Postal: P/A DU TOIT & ASSOCIATES, 73 VAN NIEKERK STREET, OAKDALE, BELLVILLE, 7530 Residential: 88 LINK AVENUE, BELGLEN, MACASSAR, 7135

**Change Summary for 2005/075685/ as a result of the lodging of document number 710387196.**

Accounting Officer Change on 08/12/2010.  
Change Record  
Name: = DAVID ROBERT STEPHEN  
Status: = Resign

Accounting Officer Change on 08/12/2010.  
Add Record  
Name: = ATTIE BASSON  
Status: = Current

Member Change on 08/12/2010.  
Change Record  
Surname: = SMITH  
First Names: = WATNEY WARREN  
Status: = Active

Member Change on 08/12/2010.  
Add Record  
Surname: = SMITH  
First Names: = MURIEL OLIVIA  
Status: = Active



COMPANIES AND INTELLECTUAL PROPERTY REGISTRATION OFFICE

Registrar of Companies & Close Corporations

P.O. BOX 426, PRETORIA, 0001, Republic of South Africa, Docex 258, PRETORIA.

Call Centre Tel 086 184 3394, Website www.cipro.co.za, WAP www.cipro.co.za/mobile



**TAX COMPLIANCE STATUS**  
**PIN Issued**

XCELL ENVIRONMENTAL SERVICES CC  
P/A DU TOIT EN VENNOTE  
73 VAN NIEKERK STRAAT  
BELLVILLE  
7530

**Enquiries should be addressed to SARS:**

**Contact Detail**

SARS  
Alberton  
1528

Contact Centre Tel: 0800 00 SARS (7277)  
SARS online: www.sars.gov.za

**Details**

Taxpayer Reference Number: 9065240161

Always quote this reference number when contacting SARS

Issue Date: 2020/11/04

Dear Taxpayer

**TAX COMPLIANCE STATUS PIN ISSUED**

The South African Revenue Service (SARS) has issued your tax compliance status (TCS) PIN as indicated below:

TCS Details:	
Taxpayer Name	Xcell Environmental Services Cc
Trading Name	XCELL ENVIRONMENTAL SERVICES
Tax Reference Number(s)	IT - 9065240161 Vat - 4260224854 PAYE - 7730756352
Purpose of Request	Good Standing
Request Reference Number	0004750331GS0411201508286
PIN	9556186248
PIN Expiry Date	04/11/2021

You may authorise a third party to view your TCS by providing them the PIN. The PIN only allows the third party access to your TCS. All other tax information remains secure.

Your TCS displayed is based on your compliance as at the date and time the PIN is used.

You may cancel this PIN at any time before the expiry date reflected above. Once cancelled, a third party will not be able to verify your TCS.

SARS reserves the right to cancel this PIN in the event that it was fraudulently issued or obtained.

Should you have any other queries please call the SARS Contact Centre on 0800 00 SARS (7277). Remember to have your taxpayer reference number at hand when you call to enable us to assist you promptly.

Sincerely  
**ISSUED ON BEHALF OF THE SOUTH AFRICAN REVENUE SERVICE**

5442



**agriculture,  
forestry & fisheries**

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

Republic of South Africa/Republiek van Suid-Afrika  
Registrar: Act 36 of 1947/Registrateur: Wet 36 van 1947  
Private Bag/Privaatsak X343  
Pretoria  
0001

**FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947  
(ACT NO. 36 OF 1947)  
WET OP MISSTOWWE, VEEVOEDSEL, LANDBOUMIDDELS EN VEEMIDDELS, 1947  
(WET NO. 36 VAN 1947)**

# CERTIFICATE OF REGISTRATION REGISTRASIESERTIFIKAAT

**NAME AND ADDRESS OF REGISTRATION HOLDER/NAAM EN ADRES VAN REGISTRASIEHOUER**

**N C Sekhobo  
NY 22 NO. 27  
GUGULETHU  
7750**

**REGISTRATION OF A PEST CONTROL OPERATOR/REGISTRASIE VAN PLAAGBEHEEROPERATEUR**  
Registration Number **P32734** Registrasienommer

In terms of the provisions of Act 36 of 1947 and the regulations promulgated thereunder, it is hereby certified that:

Ingevolge die bepalings van Wet 36 van 1947 en die regulasies daarkragtens uitgevaardig, word hiermee gesertifiseer dat:

Identity number

**N C Sekhobo**

Identiteitsnommer

**791201 5994 089**

Has been registered by me as a pest control operator in the following fields of pest control:

Deur my as 'n plaagbeheeroperateur geregistreer is in die volgende velde van plaagbeheer:

**(v) Structural Pest Control- Commercial and Domestic** **2010/07/07**

This registration is valid until **2022/06/30**  
The granting of this registration does not exempt anybody from the provisions of any other Law.

Hierdie registrasie is geldig tot **2022/06/30**  
Die verlening van hierdie registrasie onthef niemand van die bepalings van enige ander Wet nie.

Date of issue

**2019/08/12**

Datum van uitreiking

**REGISTRAR: ACT 36 OF 1947/REGISTRATEUR: WET 36 VAN 1947**

3872



**agriculture,  
forestry & fisheries**

Department  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

Republic of South Africa/Republiek van Suid-Afrika  
Registrar: Act 36 of 1947/Registrateur: Wet 36 van 1947  
Private Bag/Privaatsak X343  
Pretoria  
0001

**FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947  
(ACT NO. 36 OF 1947)  
WET OP MISSTOWWE, VEEVOEDSEL, LANDBOUMIDDELS EN VEEMIDDELS, 1947  
(WET NO. 36 VAN 1947)**

# CERTIFICATE OF REGISTRATION REGISTRASIESERTIFIKAAT

**NAME AND ADDRESS OF REGISTRATION HOLDER/NAAM EN ADRES VAN REGISTRASIEHOUER**

W W-Smith  
P O Box 2462  
SOMERSET WEST  
7129

**REGISTRATION OF A PEST CONTROL OPERATOR/REGISTRASIE VAN PLAAGBEHEEROPERATEUR**  
Registration Number **P12419** Registrasienommer

In terms of the provisions of Act 36 of 1947 and the regulations promulgated thereunder, it is hereby certified that: **W W Smith**

Ingevolge die bepalings van Wet 36 van 1947 en die regulasies daarkragtens uitgevaardig, word hiermee gesertifiseer dat:

Identity number **6403045031085**

Identiteitsnommer

Has been registered by me as a pest control operator in the following fields of pest control:

Deur my as 'n plaagbeheeroperateur geregistreer is in die volgende velde van plaagbeheer:

(v) **Structural Pest Control – Commercial and Domestic** **1991/10/03**

This registration is valid until  
The granting of this registration does not exempt anybody from the provisions of any other Law.

**2023/06/30**

Hierdie registrasie is geldig tot  
Die verlening van hierdie registrasie onthef niemand van die bepalings van enige ander Wet nie.

Date of issue

**2020/09/01**

Datum van uitreiking

**REGISTRAR: ACT 36 OF 1947/REGISTRATEUR: WET 36 VAN 1947**



**agriculture,  
forestry & fisheries**

Department  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

Republic of South Africa/Republiek van Suid-Afrika  
Registrar: Act 36 of 1947/Registrateur: Wet 36 van 1947  
Private Bag/Privaatsak X343  
Pretoria  
0001

5827

**FERTILIZERS, FARM FEEDS, AGRICULTURAL REMEDIES AND STOCK REMEDIES ACT, 1947  
(ACT NO. 36 OF 1947)  
WET OP MISSTOWWE, VEEVOEDSEL, LANDBOUMIDDELS EN VEEMIDDELS, 1947  
(WET NO. 36 VAN 1947)**

# CERTIFICATE OF REGISTRATION REGISTRASIESERTIFKAAT

**NAME AND ADDRESS OF REGISTRATION HOLDER/NAAM EN ADRES VAN REGISTRASIEHOUER**

**L W Smith  
P O Box 2462  
SOMERSET WEST  
7129**

**REGISTRATION OF A PEST CONTROL OPERATOR/REGISTRASIE VAN PLAAGBEHEEROPERATEUR**  
Registration Number **P38970** Registrasienumer

In terms of the provisions of Act 36 of 1947 and the regulations promulgated thereunder, it is hereby certified that: **L W Smith** Ingevoige die bepalings van Wet 36 van 1947 en die regulasies daarkragtens uitgevaardig, word hiermee gesertifiseer dat:  
Identity number **9309105731086** Identiteitsnommer

Has been registered by me as a pest control operator in the following fields of pest control: **Deur my as 'n plaagbeheeroperateur geregistreer is in die volgende velde van plaagbeheer:**

**(v) Structural Pest Control – Commercial and Domestic 2017/08/03**

This registration is valid until **2023/06/30** Hierdie registrasie is geldig tot  
The granting of this registration does not exempt anybody from the provisions of any other Law. Die verlening van hierdie registrasie onthef niemand van die bepalings van enige ander Wet nie.

Date of issue **2020/09/01** Datum van uitreiking

  
**REGISTRAR: ACT 36 OF 1947/REGISTRATEUR: WET 36 VAN 1947**





SOUTH AFRICAN PEST CONTROL ASSOCIATION  
SUID-AFRIKAANSE PLAAGBEHEERVERENIGING

**SAPCA**<sup>(NPC)</sup>

# *Certificate* of ACTIVE Membership

## **Xcell Environmental Services cc**

This is to certify that the holder of this certificate is registered as a member with the **South African Pest Control Association** for the period of

**March 2021 to February 2022**

Please verify the  
authenticity of  
this document by  
contacting the  
SAPCA offices on  
012 654 8038



Exclusions Apply:

N/A

The Certificate expires on  
**28 February 2022**

Membership Number

**XCE462**



**Hilda Swart**  
Manager

**SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE**

I, the undersigned,

<b>Full name &amp; Surname</b>	WATNEY WARREN SMITH
<b>Identity number</b>	640304 5031 085

Hereby declare under oath as follows:

- The contents of this statement are to the best of my knowledge a true reflection of the facts.
- I am a member / director / owner of the following enterprise and am duly authorised to act on its behalf:

<b>Enterprise Name</b>	XCELL ENVIROMENTAL SERVICES SS
<b>Trading Name</b>	SAME AS ABOVE
<b>Registration Number</b>	2005/075685/23
<b>Enterprise Address</b>	88 LINK AVENUE, MACASSAR, 7130

- I hereby declare under oath that:
  - The enterprise is 100 % black owned;
  - The enterprise is 60 % black woman owned;
  - Based on the management accounts and other information available on the 2021 financial year, the income did not exceed R10,000,000.00 (ten million rands);
  - Please confirm on the table below the B-BBEE level contributor, by ticking the applicable box.

100% black owned	<b>Level One</b> (135% B-BBEE procurement recognition)	X
More than 51% black owned	<b>Level Two</b> (125% B-BBEE procurement recognition)	
Less than 51% black owned	<b>Level Four</b> (100% B-BBEE procurement recognition)	

- The entity is an empowering supplier in terms of the dti Codes of Good Practice.
- I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.
- The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: 

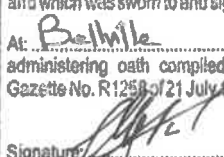
Date: 31 May 2021

Commissioner of Oaths  
Signature & stamp

I certify that the DEPONENT has acknowledged that he/she knows and understands the contents of the affidavit, that he/she does not have any objection to taking the oath, and that he/she considers it to be binding on his/her conscience, and which was sworn to and signed before me:

At: Bethville on this day of 31/5/2021

administering oath compiled with the regulations contained in Government Gazette No. R1259 of 21 July 1972, as amended.

Signature: 

COMMISSIONER OF OATHS



CITY OF CAPE TOWN  
ISIXEKO SASEKAPA  
STAD KAAPSTAD

Civic Centre  
12 Hertzog Boulevard 8001  
PO Box 655 Cape Town 8000  
VAT Registration number  
4500193497

Tax invoice number 170008183133  
Customer VAT registration number 4260224854  
Account number 201837043  
Distribution code  
Business partner number 1001342798

020183704317032021



MR. & MRS. WW & MO SMITH  
88 LINK AVENUE  
MACASSAR  
7130

## Tax Invoice

Tel: 086 010 3089 - Fax: 086 201 1017  
Tel: International calls +27 21 401 4701  
E-mail: [accounts@capetown.gov.za](mailto:accounts@capetown.gov.za)  
Correspondence: Director: Revenue  
P O Box 655, Cape Town 8000  
Web address: [www.capetown.gov.za](http://www.capetown.gov.za)

## Account summary as at 17/03/2021

Due date 12/04/2021

At 88 LINK AVENUE, NEW MACASSAR / Erf 2985

Previous account balance		3346.76
Less payments (06/03/2021)	Thank you	1800.00-
<b>Arrears (a)</b>	<b>Payable immediately</b>	<b>1546.76</b>
Latest account - see overleaf		1308.31
<b>Current amount due (b)</b>	<b>Payable by 12/04/2021</b>	<b>1308.31</b>
	<b>Total (a) + (b)</b>	<b>2855.07</b>
Total (a) + (b) above	2855.07	
<b>Total liability</b>	<b>2855.07</b>	

**THINK WATER**  
CARE A LITTLE. SAVE A LOT.  
[www.capetown.gov.za/thinkwater](http://www.capetown.gov.za/thinkwater)

Celebrate South African Library Week from 15-21 March 2021 with the City of Cape Town Library & information Services. Grab this opportunity to return all the library materials in your possession to your nearest City library. Please wear your mask!

## Please note:

ISUI27\_01\_01\_20210317\_200845\_ISUIInvoices\_prn\_Rest.

006445 / 006445

- Payment options  
(a) Debit orders: Call 0860 103 089 or visit a Customer Service Centre. (b) Internet payments: Visit [www.Easypay.co.za](http://www.Easypay.co.za). (c) Electronic payments (EFT): Select the City of Cape Town as a bank-listed beneficiary on your bank's website. Use only your nine-digit municipal account number as reference. (d) Direct deposit at Nedbank: Please present your account number 201837043 to the bank teller. (e) Cash, debit card, credit card and other: Please present your account to the cashier.
- Where the City incurs bank costs on any mode of payment, the City will recover such cost on the portion of the amount above R7 000.00 per transaction per account number. The City absorbs such costs in respect of a single payment of R7 000.00 and below.
- Interest will be charged on all amounts still outstanding after the due date.
- You may not withhold payment, even if you have submitted a query to the City concerning this account.
- Failure to pay could result in:  
(a) the City recovering debt overdue on the purchasing of pre-paid electricity,  
(b) your water and/or electricity supply being disconnected/restricted. Immediate reconnection of the supply after payment cannot be guaranteed. A disconnection fee will be charged and your deposit amount might be increased.

Pay points: City of Cape Town cash offices or the vendors below;



NEDBANK

SHOPRITE

Checkers

WOOLWORTHS



SPAR



Pick n Pay

EasyPay

Pay online at [www.easypay.co.za](http://www.easypay.co.za)

MR. &amp; MRS. WW &amp; MO SMITH

Account number 201837043



Amount due if not paid in cash 2855.07

NOTICE OF PERSONAL PARTICULARS

- 1 Any changes to the personal particulars in your ID Book must be communicated to all relevant parties

NOTICE OF CHANGE OF ADDRESS

- 1 Keep the NOTICE OF CHANGE OF ADDRESS form in this pocket to report a change of address or a change in particular of your present address e.g. name of street and/or street number-etc
- 2 Hand in at or post to the nearest regional/district office of the DEPARTMENT OF HOME AFFAIRS

I.D. No. 680202 0269 083



S.A.CITIZEN

SURNAME SMITH

FORENAMES MURIEL OLIVIA

COUNTRY OF BIRTH SOUTH AFRICA

DATE OF BIRTH 1968-02-02

DATE ISSUED 2016-04-25



ISSUED BY AUTHORITY OF THE DIRECTOR-GENERAL HOME AFFAIRS

NOTICE OF PERSONAL PARTICULARS

- 1. Any changes to the personal particulars in your ID Book must be communicated to all relevant parties.

NOTICE OF CHANGE OF ADDRESS

- 1. Keep the NOTICE OF CHANGE OF ADDRESS form in this pocket to report a change of address or a change in particular of your present address e.g. name of street and/or street number etc.
- 2. Hand in at or post to the nearest regional/district office of the DEPARTMENT OF HOME AFFAIRS

I.D. No. 640304 5031 085



S.A.CITIZEN

SURNAME SMITH

FORENAMES WATNEY WARREN

COUNTRY OF BIRTH SOUTH AFRICA

DATE OF BIRTH 1964-03-04

DATE ISSUED 2013-02-05



ISSUED BY AUTHORITY OF THE DIRECTOR-GENERAL HOME AFFAIRS

EK SEKERTISEER DAT HIERDIE DOKUMENT 'N WARE AFDRUK (AFSKRYF) IS VAN 'N OORSEPPONKLIKE DOKUMENT WAT AAN MY VIR WAARNEEMING VOORGELEEF IS. DIT DOKUMENT MOET ALTYDS MET WAARNEEMING DAARBY 'N WYSIGING OF VERANDERING OP DIE OORSPRONKELIKE DOKUMENT AANGEBRING IS NIE.

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS HANDED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT NO OBSERVATIONS, AN AMENDMENT OR CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

.....

MAGSNOMMER 2289571  
 FORCE NUMBER 2289571  
 NAAM IN DRUKSKRIJF SAWWEL  
 NAME IN PRINT SAWWEL

SUID-AFRIKAANSE POLISIEDIENS COMMUNITY SERVICE CENTRE

16 FEB 2021

COMMUNITY SERVICE CENTRE  
 MACASSAR  
 SOUTH AFRICAN POLICE SERVICE

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



## FINALE

Version 2 / GB  
102000012341

1/13

Revision Date: 22.11.2016  
Print Date: 07.12.2016

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

Trade name FINALE  
Product code (UVP) 06470025

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Herbicide

#### 1.3 Details of the supplier of the safety data sheet

Supplier Bayer Environmental Science  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
United Kingdom

Telephone 00800-1214 9451  
Telefax +44(0)1223 426240  
Responsible Department Email: [ukinfo@bayercropscience.com](mailto:ukinfo@bayercropscience.com)

#### 1.4 Emergency telephone no.

Emergency telephone no. 0800-220876 (UK 24 hr)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Reproductive toxicity: Category 1B  
H360Fd May damage fertility. Suspected of damaging the unborn child.

Acute toxicity: Category 3  
H311 Toxic in contact with skin.

Acute toxicity: Category 4  
H302 Harmful if swallowed.

Specific target organ toxicity - repeated exposure: Category 2  
H373 May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.

Serious eye damage: Category 1  
H318 Causes serious eye damage.

Chronic aquatic toxicity: Category 3  
H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.



**FINALE**

Version 2 / GB  
102000012341

2/13

Revision Date: 22.11.2016  
Print Date: 07.12.2016

**Hazard label for supply/use required.**

**Hazardous components which must be listed on the label:**

- Glufosinate ammonium
- Alkylethersulfate, sodium salt



**Signal word: Danger**

**Hazard statements**

- H360Fd May damage fertility. Suspected of damaging the unborn child.  
 H311 Toxic in contact with skin.  
 H302 Harmful if swallowed.  
 H373 May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.  
 H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
 Restricted to professional users.

**Precautionary statements**

- P201 Obtain special instructions before use.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 + P338  
 P310 Immediately call a POISON CENTER/doctor/ physician.  
 P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

**2.3 Other hazards**

No other hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

**Chemical nature**

Soluble concentrate (SL)  
Glufosinate-ammonium 150 g/l

**Hazardous components**

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. / EC-No. / REACH Reg. No.	Classification	Conc. [%]
		REGULATION (EC) No 1272/2008	
Glufosinate ammonium	77182-82-2 278-636-5	Acute Tox. 4, H302 STOT RE 2, H373	13.5

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



## FINALE

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Revision Date: 22.11.2016  
Print Date: 07.12.2016

		Acute Tox. 4, H312 Acute Tox. 4, H332 Repr. 1B, H360Fd	
Alkylethersulfate, sodium salt	68891-38-3 500-234-8	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	> 25.00
1-Methoxy-2-propanol	107-98-2 203-539-1 01-2119457435-35-xxxx	Flam. Liq. 3, H226 STOT SE 3, H336	> 1.00 – < 15.00

### Further information

Substances for which there are Community workplace exposure limits:  
1-Methoxy-2-propanol (107-98-2)

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely. Keep under medical supervision for at least 48 hours.

#### Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

#### Skin contact

Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

#### Ingestion

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Symptoms

Vomiting, Diarrhoea, Abdominal pain, Tremors, Hypotension, Muscular weakness, Unconsciousness, Coma, Convulsions, Respiratory failure, Nausea, Tachycardia

Symptoms may be delayed.

Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Risks

Watch victim for at least 48 hours because of possible delayed signs of poisoning.



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Version 2 / GB  
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Revision Date: 22.11.2016  
Print Date: 07.12.2016

**Treatment**

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Forced alkaline diuresis and hemodialysis may be considered. There is no specific antidote. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used. Contraindication: atropine. Oxygen or artificial respiration if needed. Keep respiratory tract clear. ECG - monitoring (Electrocardiogram). EEG - monitoring (Electroencephalogram). Monitor: respiratory, cardiac and central nervous system. Keep under medical supervision for at least 48 hours.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Sulphur oxides, Nitrogen oxides (NOx)

**5.3 Advice for firefighters**

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**Further information** Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

**6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.



A highly palatable ready-to-use insecticidal gel-type bait

# GOLIATH™ GEL

Reg.No. L 5763 Act / Wet No. 36 / 1947

*Attracts and kill cockroaches in public hygiene premises*



*Reliable control in heavy cockroach infestations*

*People do not have to leave area during treatment*



*Domino effect controls entire colony*



*Very low application rate*



*Remains active for a long time*



*No mixing, no protective clothing*

GOLIATH contains an irresistible food and pheromone attractant bait complex. Place small drops (0,05g/m<sup>2</sup>) of GOLATH in hide away places, cupboards, electrical motors, and other areas frequented by cockroaches.

### Domino effect controls entire colony

After consumption of the bait, the cockroach not only dies, but also becomes part of the bait. Cockroaches cannibalizes on dead family members, and continuously become contaminated.

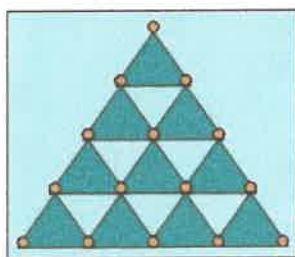
This domino effect brings about destruction throughout the entire cockroach population.

### Powerful performance

Goliath is a revolution in cockroach control. A single application of GOLIATH is sufficient to control the entire cockroach population. In just one application it kills more cockroaches, kills them quickly and keeps premises free of cockroaches for a longer period of time. Extremely low application rate of Goliath are sufficient to give dramatic results.



*Easy to use. No spraying*



*Domino effect controls entire colony*

### A Convenient System

No longer is spraying required. Instead, cockroaches are controlled by the accurate placement of this specifically developed gel into areas inhabited by cockroaches.

Apart from being the most effective system for controlling cockroaches, the Goliath Gel System saves you from having to empty cupboards before treatment and having to replace their contents and clean surfaces after treatment.

There is no smell, no mess and treatment can be conducted at any time of the day. People do not have to leave the treatment area during application nor does it interfere with their normal activities. It can be applied almost anywhere cockroaches can be found, including sensitive areas and around electrical equipment.

### Cost-effective reliable control

The low application rate of Goliath, means it not only cost less per application, but lasts longer making it extremely cost-effective.

**Active ingredient:** Fipronil (Phenyl pyrazole) 0,5g/kg

Distributed by

**henchem**  
ADVANCED WEED AND PEST CONTROL SOLUTIONS

Reg. No. CK 97: 14882.23 VAT Reg. No. 4330181407

Tel: (021) 948-7366

Fax: (021) 948-7144

Unit 6b, Palmiet Street, Bellville, Cape Town

PO Box 1770, Durbanville, 7551

henchem@iafrica.com

GOLIATH™ GEL contains Fipronil (Phenyl pyrazole) 0,5g/kg, Reg.Nr. 5763, Act/Wet Nr. 36 from 1947 BASF PTY (Ltd)



**FINALE**

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**Additional advice** Check also for any local site procedures.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Advice on protection against fire and explosion** No special precautions required.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Protect from freezing. Keep away from direct sunlight.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**Suitable materials** HDPE (high density polyethylene)

**7.3 Specific end use(s)** Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Glufosinate ammonium	77182-82-2	0.9 mg/m <sup>3</sup> (TWA)		OES BCS*
1-Methoxy-2-propanol	107-98-2	560 mg/m <sup>3</sup> /150 ppm (STEL)	12 2011	EH40 WEL
1-Methoxy-2-propanol	107-98-2	375 mg/m <sup>3</sup> /100 ppm (TWA)	12 2011	EH40 WEL
1-Methoxy-2-propanol	107-98-2	375 mg/m <sup>3</sup> /100 ppm (TWA)	12 2009	EU ELV
1-Methoxy-2-propanol	107-98-2	568 mg/m <sup>3</sup> /150 ppm (STEL)	12 2009	EU ELV
1-Methoxy-2-propanol	107-98-2	563 mg/m <sup>3</sup> /150 ppm (STEL)	2014	EU SCOELS
1-Methoxy-2-propanol	107-98-2	375 mg/m <sup>3</sup> /100 ppm	2014	EU



**FINALE**

Version 2 / GB  
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		(TWA)		SCOELS
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\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**8.2 Exposure controls**

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.  
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

**Hand protection**

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with EN 374.

**Eye protection**

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent) and faceshield (conforming to EN166, Field of Use = 3 or equivalent).

**Skin and body protection**

Wear standard coveralls and Category 3 Type 4 suit.  
If there is a risk of significant exposure, consider a higher protective type suit.  
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.  
If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



## FINALE

Version 2 / GB  
102000012341

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Revision Date: 22.11.2016  
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<b>Form</b>	Liquid
<b>Colour</b>	blue to blue green
<b>Odour</b>	weakly pungent
<b>pH</b>	6.8 - 7.8 at 100 % (23 °C)
<b>Flash point</b>	ca. 57 °C The product does not sustain combustion.
<b>Auto-ignition temperature</b>	405 °C
<b>Density</b>	ca. 1.11 g/cm <sup>3</sup> at 20 °C
<b>Water solubility</b>	soluble
<b>Partition coefficient: n-octanol/water</b>	Glufosinate-ammonium: log Pow: -4.01 at pH 7 Alkylethersulfate, sodium salt: log Pow: 0.3
<b>Oxidizing properties</b>	No oxidizing properties
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113 Not explosive
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

**Thermal decomposition** > 200 °C, Heating rate: 10 K/min  
Test conducted with a similar formulation.

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.

**10.4 Conditions to avoid** Extremes of temperature and direct sunlight.

**10.5 Incompatible materials** Bases

**10.6 Hazardous decomposition products** Ammonia

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute oral toxicity** LD50 (Rat) 1,730 mg/kg  
Test conducted with a similar formulation.

**Acute inhalation toxicity** LC50 (Rat) 2.97 mg/l  
Exposure time: 4 h  
Determined in the form of a respirable aerosol.

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	During intended and foreseen applications, no respirable aerosol is formed. Test conducted with a similar formulation.
<b>Acute dermal toxicity</b>	LD50 (Rat) 593 mg/kg Test conducted with a similar formulation.
<b>Skin irritation</b>	Slight irritant effect - does not require labelling. (Rabbit) Test conducted with a similar formulation.
<b>Eye irritation</b>	Severe eye irritation. (Rabbit) Test conducted with a similar formulation.
<b>Sensitisation</b>	Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.

**Assessment STOT Specific target organ toxicity – repeated exposure**

Glufosinate-ammonium caused neurobehavioral effects and/or neuropathological changes in animal studies. Glufosinate-ammonium was well tolerated in rats and mice but less well tolerated in the dog in subchronic studies.

Alkylethersulfate, sodium salt did not cause specific target organ toxicity in experimental animal studies.

**Assessment mutagenicity**

Glufosinate-ammonium was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Alkylethersulfate, sodium salt was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment carcinogenicity**

Glufosinate-ammonium was not carcinogenic in lifetime feeding studies in rats and mice.

Alkylethersulfate, sodium salt was not carcinogenic in lifetime feeding studies in rats and mice.

**Assessment toxicity to reproduction**

Implantation loss occurred in a rat multigeneration study with Glufosinate-ammonium. There were no effects on male fertility.

Alkylethersulfate, sodium salt did not cause reproductive toxicity in a two-generation study in rats.

**Assessment developmental toxicity**

Glufosinate-ammonium caused developmental toxicity only at dose levels toxic to the dams.

Glufosinate-ammonium caused an increased incidence of post implantation losses.

Alkylethersulfate, sodium salt did not cause developmental toxicity in rats and rabbits.

---

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 13.4 mg/l Exposure time: 96 h Test conducted with a similar formulation.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 17.8 mg/l Exposure time: 48 h Test conducted with a similar formulation.
<b>Toxicity to aquatic plants</b>	IC50 (Raphidocelis subcapitata (freshwater green alga)) 71.3 mg/l Growth rate; Exposure time: 72 h



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Test conducted with a similar formulation.

NOEC (*Desmodesmus subspicatus* (green algae)) 0.93 mg/l

Exposure time: 72 h

Information refers to the main component.

**Toxicity to bacteria**

EC50 (activated sludge) > 1,000 mg/l

Exposure time: 3 h

The value mentioned relates to the active ingredient glufosinate-ammonium.

**12.2 Persistence and degradability**

**Biodegradability**

Glufosinate-ammonium:

Not rapidly biodegradable

Alkylethersulfate, sodium salt:

rapidly biodegradable

**Koc**

Glufosinate-ammonium: Koc: 2.3

**12.3 Bioaccumulative potential**

**Bioaccumulation**

Glufosinate-ammonium: Bioconcentration factor (BCF) < 1

Does not bioaccumulate.

Alkylethersulfate, sodium salt:

Does not bioaccumulate.

**12.4 Mobility in soil**

**Mobility in soil**

Glufosinate-ammonium: Highly mobile in soils

Alkylethersulfate, sodium salt: soluble in water

**12.5 Results of PBT and vPvB assessment**

**PBT and vPvB assessment**

Glufosinate-ammonium: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).  
Alkylethersulfate, sodium salt: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects**

**Additional ecological information**

No other effects to be mentioned.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging**

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.

Add washings to sprayer at time of filling.



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Dispose of empty and cleaned packaging safely.  
Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.  
Return large containers to supplier.  
Follow advice on product label and/or leaflet.

**Waste key for the unused product**      **02 01 08\*** agrochemical waste containing dangerous substances

**SECTION 14: TRANSPORT INFORMATION**

**ADR/RID/ADN**

14.1 UN number	<b>2902</b>
14.2 Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (GLUFOSINATE-AMMONIUM SOLUTION)
14.3 Transport hazard class(es)	6.1
14.4 Packing group	III
14.5 Environm. Hazardous Mark	NO
Hazard no.	60
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**IMDG**

14.1 UN number	<b>2902</b>
14.2 Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (GLUFOSINATE-AMMONIUM SOLUTION)
14.3 Transport hazard class(es)	6.1
14.4 Packing group	III
14.5 Marine pollutant	NO
Segregation group according to 5.4.1.5.11.1	IMDG SEGREGATION GROUP 2 - AMMONIUM COMPOUNDS

**IATA**

14.1 UN number	<b>2902</b>
14.2 Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (GLUFOSINATE-AMMONIUM SOLUTION )
14.3 Transport hazard class(es)	6.1
14.4 Packing group	III
14.5 Environm. Hazardous Mark	NO

**UK 'Carriage' Regulations**

14.1 UN number	<b>2902</b>
14.2 Proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. (GLUFOSINATE-AMMONIUM SOLUTION)
14.3 Transport hazard class(es)	6.1
14.4 Packing group	III
14.5 Environm. Hazardous Mark	NO
Emergency action code	2X

**14.6 Special precautions for user**

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See sections 6 to 8 of this Safety Data Sheet.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

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## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

#### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

#### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

#### Waste Treatment

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991

Anti-Pollution Works Regulations 1999

#### Further information

WHO-classification: II (Moderately hazardous)

### 15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

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## SECTION 16: OTHER INFORMATION

### Text of the hazard statements mentioned in Section 3

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.



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H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EH40 WEL	Worker Exposure Limit
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

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No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

**Reason for Revision:** Safety Data Sheet according to Regulation (EU) No. 2015/830. The following sections have been revised: Section 2: Hazards Identification. Section 16: Other Information.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

# SAFETY DATA SHEET



Publication date: July 97      Sheet number: BES/SA 0040      Revised on: 1 March 2014      Revision number: 11

## 1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **FINALE® RAT AND MOUSE PELLETS**

Usage: Rodenticide

Company identification: Bayer (Pty.) Ltd.  
Reg. No. 1968/011192/07  
P.O. Box 143, Isando 1600  
SOUTH AFRICA

Telephone: +27 11 365 8600  
+27 11 921 5429

Fax: +27 11 921 5754

Responsible department: Product Development and Regulatory Affairs  
+27 11 921 5429/5471/5639  
sharika.bajjnath@bayer.com

In case of poisoning emergencies:  
Bayer (office hours only): +27 11 921 5429/5471/5639  
Tygerberg Poison Centre: +27 21 931 6129  
Griffon Poison Information Centre: +27 82 446 8946

## 2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Bait (ready for use) (RB)  
Difethialone 0.0025 %

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Difethialone	104653-34-1	T+, N	R26/27/28, R48/23/24/25, R50/53	0,0025

For full text of the R phrases mentioned in this Section, see Section 16.

## 4) FIRST AID MEASURES

General advice: Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways).

Skin contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Induce vomiting only if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Call a physician or poison control center immediately. Rinse mouth.

### NOTES TO PHYSICIAN:

Symptoms: Bloody urine, bloody faeces, gum bleeding, nose bleeding, bruising and haemorrhage formation.

Treatment: Symptoms of poisoning may only appear several hours later.  
Keep under medical supervision for at least 48 hours.  
Elementary aid, decontamination and symptomatic treatment.

Treatment: Systemic treatment: Monitoring of the blood picture.  
Monitor the blood clotting time (prothrombin time).  
If ingested, irrigate the stomach using activated charcoal in addition.  
Antidote: vitamin K1 - 10 mg i.v., if necessary repeat; in cases of grave bleeding: prothrombin complex preparates.

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Spontaneous recovery.

## 5) FIRE FIGHTING MEASURES

- Extinguishing media: Water spray, carbon dioxide (CO<sub>2</sub>), foam, sand.
- Specific hazards during fire fighting: In the event of fire the following can be released: Carbon monoxide (CO)
- Protection for fire fighters: In the event of fire and/or explosion do not breathe fumes.  
In the event of fire, wear self-contained breathing apparatus.
- Further information: Contain the spread of the fire-fighting media.  
Do not allow run-off from fire fighting to enter drains or water courses.

## 6) ACCIDENTAL RELEASE MEASURES

- Personal precautions: Avoid contact with spilled product or contaminated surfaces.  
Use personal protective equipment.
- Environmental precautions: Do not allow to get into surface water, drains and ground water.
- Methods for cleaning up: Use mechanical handling equipment.  
Clean contaminated floors and objects thoroughly, observing environmental regulations.  
Keep in suitable, closed containers for disposal.
- Additional advice: Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

## 7) HANDLING AND STORAGE

- Handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
- Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.  
Store in a place accessible by authorized persons only.
- Advice on common storage: Keep away from food, drink and animal feedingstuffs.
- Storage stability:  
Storage temperature: < 40 °C
- Suitable materials: HDPE (high density polyethylene).

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Personal protection during application: PVC or other plastic material gloves.
- In all other cases the following recommendations would apply:
- Respiratory protection: No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
- Hand protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
- Eye protection: Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
- Skin and body protection: Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
- Hygiene measures: Avoid contact with skin, eyes and clothing.  
Keep working clothes separately.  
Wash hands before breaks and immediately after handling the product.  
Remove soiled clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Description: The pellets are blue in colour with white and brown specks, cylindrically shaped with irregular ends.

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## 10) STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions expected when stored and handled according to prescribed instructions.

## 11) TOXICOLOGICAL INFORMATION

Acute toxicity: (active ingredient)

LD<sub>50</sub> oral, rat: 0,56 mg/kg

LD<sub>50</sub> oral, mice: 1,29 mg/kg

LD<sub>50</sub> acute percutaneous, rat: 6,5 mg/kg

Acute inhalation LC<sub>50</sub> (4 hours), rats: 5 to 19,3 µg/l air.

Skin irritation: No irritant effects to skin of healthy rabbits.

Skin sensitisation: Not a skin sensitizer.

Eye irritation: Slight irritant effect to eyes of rabbits disappearing after washing with water.

## 12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)

Acute oral LC<sub>50</sub> (96 hours): 0,051 mg/l, Rainbow trout

0,075 mg/l Bluegill sunfish

Toxicity to waterflea *Daphnia magna*: (active ingredient)

Acute oral LD<sub>50</sub>: 0,0044 mg/kg

Exposure time: 48 h

Toxicity to algae *Desmodesmus subspicatus*: (active ingredient)

EC<sub>50</sub> Growth rate: > 1.000 mg/l

Exposure time: 72 h

## 13) DISPOSAL CONSIDERATIONS

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Contaminated packaging: Dispose of as unused product.

## 14) TRANSPORT INFORMATION

ADNR: Not dangerous goods

ADR: Not dangerous goods

GGVE: Not dangerous goods

GGVS: Not dangerous goods

IATA\_C: Not dangerous goods

IATA\_P: Not dangerous goods

IMDG: Not dangerous goods

RID: Not dangerous goods

## 15) REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Labelling according to EC Directives

R-phrases:

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

WHO Classification: II (Moderately hazardous)

## 16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.

R48/23/24/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

# SAFETY DATA SHEET



Consult the label for directions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.  
If the logo in this document is not in colour, this document is a photocopy and could be out of date.



# Maxforce<sup>®</sup> GEL

REG. NO. L4911 Act No. 36 of 1947  
Namibian Reg. No. N-AR 0584

30 g

INSECTICIDE

Cockroach



### FOR FULL PARTICULARS SEE ENCLOSED PAMPHLET

Before using this product read the label carefully

**Only for sale to and use by registered pest control operators.**

**An insecticidal gel bait for the control of cockroach nymphs and adults in domestic premises, public hygiene and food storage premises, which is odourless, non-volatile and non-repellant.**

**ACTIVE INGREDIENT:** Hydramethylnon... 21,5 g/kg

**REGISTRATION HOLDER:** Bayer (Pty.) Ltd.

Reg. No. 1968/011192/07

P. O. Box 143, ISANDO 1600, SOUTH AFRICA

TEL: (011) 921 5911



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MAXFORCE<sup>®</sup> is a registered trademark of the Bayer Group.

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CAUTION





# Maxforce<sup>®</sup> GEL

## INSECTICIDE

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Namibian Reg. No. N-AR 0584

Only for sale to and use by registered pest control operators.

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Bayer (Pty.) Ltd.  
Reg. No. 1968/011192/07  
P.O. Box 143  
ISANDO 1600  
SOUTH AFRICA  
TEL: (011) 921 5911

MAXFORCE<sup>®</sup> is a registered trademark of the Bayer Group.

### CAUTION

**WARNINGS:** Avoid all contact by mouth or with skin. May irritate skin. Dangerous to fish. Keep out of reach of children, animals and uninformed persons. Store in a cool, dry place, away from food and feedstuffs. Do not allow to freeze.

**PRECAUTIONS:** Wear gloves during application. Do not eat, drink or smoke while applying. Apply only in positions inaccessible to children and pets. Do not contaminate ponds, waterways or ditches with chemical or used container. Wash hands and exposed skin with soap and water, before meals and after work. Do not apply gel to surfaces on which food or feed is stored, prepared or eaten. Protect food preparing equipment and eating utensils from contamination during application. When empty dispose of the syringe safely. Do not re-use the syringe for any other purpose.

### DIRECTIONS FOR USE: USE ONLY AS DIRECTED.

Suitable for use in domestic premises and areas where foodstuffs are stored, prepared or packaged; hotels, restaurants and kitchens; warehouses and factories; hospitals and animal housing.

Maxforce<sup>®</sup> Gel contains a cockroach stomach poison with a delayed action, therefore results are not immediately visible. An effect on the cockroach population can be expected within a week.

Survey the area to be treated to identify centres of cockroach infestation e.g. by using sticky traps and/or flush-out aerosols; searching for droppings, cast skins and egg cases. For maximum effect, place the bait in and around cockroach harbourages and where possible between these and food sources.

Apply gel directly to surface of identified target areas as spots or thin ribbons, preferably out of sight and where light intensity is low. Avoid very dusty, damp or greasy locations. Maxforce<sup>®</sup> Gel can be placed in and around: buildings e.g. corners, cracks and crevices, voids, service-ducts, lift shafts; equipment and furniture e.g. counters, refrigerators, cookers, sinks and around sensitive situations, e.g. electrical, electronic and mechanical equipment.

### Rates of application:

1. German cockroaches: 0,25 - 0,50 g/m<sup>2</sup>
2. Oriental cockroaches, American cockroaches: 0,50 - 1,00 g/m<sup>2</sup>

The lower application rate should be used for low to moderate infestations, or retreatments and the higher rate for more severe infestations, or first account. A 24 mm strip of gel 5 mm in diameter has a mass of approximately 0,5 g. Numerous smaller placements will provide faster control than few larger spots, especially for German cockroaches.

The gel will remain pliable and palatable to cockroaches as long as it is visible; usually up to 12 weeks. Where infestations are high inspect gel four weeks after treatment and replace if necessary.

The life of the bait will be reduced under day-light conditions.

Maxforce<sup>®</sup> Gel can be integrated with space or surface spray treatments but must not be contaminated with other insecticides or placed on freshly sprayed surfaces.

For any enquiry, contact Bayer - 0861 022 937 (08610BAYER). For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

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www.bayer.co.za

# Bayer

80986513B / 1214





# Maxforce<sup>®</sup> GEL

## INSEKDODER

Reg. Nr. L4911, Wet Nr. 36 van 1947  
Namibiese Reg. Nr. N-AR 0584

Slegs vir verkoop aan en gebruik deur geregistreerde plaagbeheeroperateurs.

'n Insekdodende jel lokaas vir die beheer van kakkerlak nimfe en volwassenes in huishoudelike persele, publieke higiëne en voedselopberging persele, wat reukloos, nie-vlugtig en nie-afwerend is.

### AKTIEWE BESTANDDEEL:

Hydrametielnoon ..... 21,5 g/kg

### REGISTRASIEHOUER:

Bayer (Edms.) Bpk.  
Reg. Nr. 1968/011192/07  
Posbus 143  
ISANDO 1600  
SUID-AFRIKA  
TEL: (011) 921 5911

**MAXFORCE<sup>®</sup>** is 'n geregistreerde handelsmerk van die Bayer Groep.

### VERSIGTIG

**WAARSKUWINGS:** Vermyn alle kontak deur mond of met vel. Kan vel irriteer. Gevaarlik vir vis. Hou buite bereik van kinders, diere en oningeligte persone. Bewaar in 'n koel, droë plek, weg van voedsel en voer. Moenie toelaat dat produk vries nie.

**VOORSORGMATREËLS:** Dra handskoene tydens aanwending. Moet nie eet, drink of rook tydens aanwending nie. Wend slegs aan in posisies wat ontoeganklik is vir kinders en troeteldiere. Moet nie poele, waterweë of slote met chemikalieë of gebruikte houers besoedel nie. Was hande en blootgestelde vel met seep en water, voor maaltye en na toediening. Moet nie jel aanwend op oppervlakke waar voedsel of voer geberg, voorberei of geëet word nie. Voorkom besoedeling van voedselvoorbereiding toerusting en eetgerei tydens aanwending. Wanneer leeg raak veilig ontslae van die spuit. Moenie spuit vir enige ander doel gebruik nie.

### GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.

Geskik vir gebruik in huishoudelike persele en areas waar voedsel geberg, voorberei of verpak word; in hotelle, restaurante en kombuise; pakhuisse en fabriekke; hospitale en dierehokke.

**Maxforce<sup>®</sup> Gel** bevat 'n kakkerlak maaggif met 'n vertraagde aksie, derhalwe is resultate nie onmiddellik sigbaar nie. 'n Effek op die kakkerlak populasie kan binne 'n week verwag word.

Ondersoek die area wat behandel moet word om middelpunte van kakkerlak besmetting te identifiseer, bv. met klewerige valle en/of uitspoel aërosols; soek vir uitskeidings, vervellings en eierpakkies. Vir maksimale effek, plaas lokaas in en om die kakkerlak skuilings en tussen lg. en voedselbronne waar moontlik.

Wend jel direk aan die oppervlak van geïdentifiseerde teiken areas as kolbehandeling of dun stroke, verkieslik waar dit buite sig en die ligintensiteit laag is. Vermyn oormatige stowwerige, klam of vetterige plekke. **Maxforce<sup>®</sup> Gel** kan geplaas word in en om: geboue bv. hoeke, krake en barsies, holtes, pype, hysbakskagte; toerusting en meubels, bv. toonbanke, yskaste, kooktoestelle, wasbakke en in en om sensitiewe situasies, bv. elektroniese- of meganiese toerusting.

### Dosis vir toediening:

1. Duitse kakkerlakke: 0,25 - 0,50 g/m<sup>2</sup>
2. Oosterse kakkerlakke, Amerikaanse kakkerlakke: 0,50 - 1,00 g/m<sup>2</sup>

Die laer dosis moet gebruik word vir lae tot medium besmettings, of herhalings en die hoër dosis vir meer ernstige besmettings of, eerste behandeling. 'n Strook jel, 24 mm lank en 5 mm in deursnee het 'n massa van ongeveer 0,5 g. Verskeie klein kolletjies sal vinniger beheer verskaf, eerder as groter kolle, veral vir Duitse kakkerlakke.

Die jel sal buigsaam en aanvaarbaar wees vir kakkerlakke so lank as wat dit sigbaar is; gewoonlik tot 12 weke. Waar besmettings hoog is, ondersoek jel vier weke na behandeling en vervang indien nodig.

Die lewe van die lokaas sal verminder met daglig omstandighede.

**Maxforce<sup>®</sup> Gel** kan geïntegreer word met ruimte- of oppervlak behandelings, maar moet nie met ander insektedoders in aanraking kom, of geplaas word op vars bespuitte oppervlakke nie.

Vir enige navrae, skakel Bayer - **0861 022 937 (08610BAYER)**. Slegs vir vergiftigingsnoodgevalle kan Griffon Gif Inligtingsentrum ook gekontak word - 082 446 8946.

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www.bayer.co.za

**Bayer**

80986513B / 1214

# MATERIAL SAFETY DATA SHEET

## Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

**Product name:** Maxforce® Cockroach Gel  
**Other names:** None  
**Product code:** Not available  
**SAP product code:** AU-600055 (30 g); AU-600010 (60 g)  
**Recommended use:** For use by Professional Pest Control Operators as an insecticide in domestic and commercial situations.  
**Supplier:** Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022  
**Address:** 391 - 393 Tooronga Road, East Hawthorn Victoria 3123, Australia  
**Telephone:** (03) 9248 6888  
**Facsimile:** (03) 9248 6800  
**Website:** [www.bayercropscience.com.au](http://www.bayercropscience.com.au)  
**Contact:** Technical Manager (03) 9248 6854  
**Emergency Telephone Number:** 1800 033 111 – Orica SH&E Shared Services

### 2. HAZARDS IDENTIFICATION

**NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD**  
Not flammable.

**Hazard designation:** Not classified as hazardous according to the criteria of Worksafe Australia  
**Risk phrases:** Not applicable  
**Safety phrases:** Not applicable  
**ADG classification:** This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**SUSDP classification:** Schedule 6 (Standard for the Uniform Scheduling of Drugs and Poisons)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Hydramethylnon	[67485-29-4]	16.5
Other ingredients	(non hazardous)	983.5

### 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.**

**Inhalation:** Due to the nature of this product inhalation is unlikely  
**Skin contact:** If product gets on skin wash affected areas with plenty of soap and water. No further measures should normally be required.

# MATERIAL SAFETY DATA SHEET

## Maxforce<sup>®</sup> Cockroach Gel

Date of Issue: October 14, 2002

**Eye contact:** If product gets in eyes wash eyes with copious quantities of water to remove material. No further measures should normally be required. Seek medical assistance if irritation occurs.

**Ingestion:** If swallowed immediately contact a doctor or Poisons Information Centre (telephone: 13 11 26) and follow the advice given. Keep under medical supervision.

**First Aid Facilities:** Ensure washing facilities are available.

**Symptoms:** No specific symptoms known.

**Medical attention:** Treat symptoms.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Extinguish fire using: Carbon dioxide, Dry agent, Water spray, Foam

**Hazards from combustion products:** Thermal decomposition may produce toxic and corrosive by-products in confined spaces.

**Precautions for fire fighters:** Full protective gear, including self-contained breathing apparatus (AS 1716:1994), must be worn.  
Contain run-off. Keep people away and upwind.

### 6. ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposal may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn:

- \* Cotton overalls buttoned to the neck and wrist
- \* Waterproof gloves

CONTAIN SPILL, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Prevent spillage from entering drains and water courses. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority. After spill wash area, preventing run-off from entering drains.

### 7. HANDLING AND STORAGE

**Handling:** Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**Storage:** Store in the closed original container in a cool, well ventilated, locked place out of the reach of children. Do not store in direct sunlight.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure standards:** No occupational exposure standards have been established for the product or its ingredients.

**Engineering** Control process conditions to avoid contact.

# MATERIAL SAFETY DATA SHEET

## Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

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### controls:

**Personal Protective Equipment:** Eyes: Not normally required. Avoid touching eyes while handling product.

Clothing: Protective clothing is not normally required with this product but it is recommended to wear full-length work clothes as good practice.

Gloves: Avoid contact with skin; wear waterproof gloves.

Respiratory: Not required.

Other: Wear appropriate foot-wear for the situation in which the product is applied.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** A thick brown gel

**Odour:** Sweet

**Vapour pressure:** Not available

**Vapour density:** Not available

**Boiling point:** Not available

**Freezing/melting point:** No specific data (a gelled solid at room temperature)

**Solubility:** Insoluble

**Density:** Not available

**pH:** Not applicable

**Molecular weight:** 494.5 (Hydramethylnon)

**Flash Point:** Not flammable

**Flammability (explosive) limits:** Not available

**Auto-ignition temperature:** Not available

**Octanol/water partition coefficient:** Not available

**Formulation:** Gel bait

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of use. No dangerous reaction known under normal conditions.

**Hazardous polymerisation:** None

**Conditions to avoid:** Extreme heat and fire

**Incompatible materials:** None known

# MATERIAL SAFETY DATA SHEET

## Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

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**Hazardous decomposition products:**

Thermal decomposition may produce toxic and corrosive by-products in confined spaces.

### 11. TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH EFFECTS

- Inhalation:** Data suggests that this product should present no significant problems to typical persons if used as intended.
- Skin contact:** Data suggests that this product should present no significant problems to typical persons if used as intended.
- Eye contact:** Data suggests that this product should present no significant problems to typical persons if used as intended.
- Ingestion:** The product exhibits low toxicity by the oral route.
- Other:** None

ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

#### ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

**Acute:**

- Oral toxicity:** LD<sub>50</sub> rat: 1131 – 1300 mg/kg (hydramethylnon)
- Dermal toxicity:** LD<sub>50</sub> rat: >5000 mg/kg (hydramethylnon)
- Inhalation toxicity:** LC<sub>50</sub> (4 h) rat: > 5 mg/L (hydramethylnon)
- Skin irritation:** Not available
- Eye irritation:** Not available
- Sensitisation:** Not available

**Chronic:**

In two year feeding studies with hydramethylnon in rats the No Observable Effect Level was 50mg/kg diet. Hydramethylnon is not mutagenic and not teratogenic.

# MATERIAL SAFETY DATA SHEET

## Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

### 12. ECOLOGICAL INFORMATION

<b>Fish toxicity:</b>	Hydramethylnon: LC <sub>50</sub> : 1.70 mg/L (96 h) bluegill sunfish. Hydramethylnon: LC <sub>50</sub> : 0.16 mg/L (96 h) rainbow trout
<b>Daphnia toxicity:</b>	Hydramethylnon: LC <sub>50</sub> : 1.14 mg/L (48 h) Daphnia magna.
<b>Toxicity to algae:</b>	Not available
<b>Bird toxicity:</b>	Hydramethylnon: LD <sub>50</sub> : >2510 mg/kg mallard ducks Hydramethylnon: LD <sub>50</sub> : 1828 mg/kg bobwhite quail
<b>Bee toxicity:</b>	Non-toxic topically to honeybees at 0.03 mg/bee
<b>Other:</b>	None
<b>Environmental fate, persistence and degradation:</b>	Hydramethylnon has low solubility in water and is rapidly degraded in sunlight.

### 13. DISPOSAL CONSIDERATIONS

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage.  
DO NOT burn empty containers or product.

### 14. TRANSPORT INFORMATION

<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Class and Subsidiary Risk:</b>	This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Packing Group:</b>	Not applicable
<b>EPG:</b>	Not applicable
<b>Hazchem code:</b>	Not applicable

### 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 45678

# MATERIAL SAFETY DATA SHEET

## Maxforce® Cockroach Gel

Date of Issue: October 14, 2002

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### 16. OTHER INFORMATION

**Trademark information:** Maxforce® is a Registered Trademark of Bayer

**Preparation information:** Replaces March 14, 2002 edition.  
Reason for update: Conversion to 16 heading format.

**Data sources:** Bayer CropScience Pty Ltd product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

END OF MSDS



# blox

Reg. No. L8259 Act No. 36 of 1947

A ready-for-use bait block for the control of roof and Norway rats and the house mouse in and around industrial, commercial and public buildings, in transport vehicles and in and around human dwellings and agricultural buildings.

**Effective against warfarin resistant Norway rats and house mouse.**

**ACTIVE INGREDIENT:**  
Brodifacoum (coumatrin anticoagulant), . . . . . 0.05 g/kg

**NET MASS 8 kg**

Registered to:  
MC Pharma (Pty) Ltd  
Co. Reg. No.: 1999/009355/07  
P.O. Box 336  
Wierda Park  
0149

Pretoria, SOUTH AFRICA  
Tel. No.: 012 668 3021

SA Poison Information Centre: 0800 33 3444 (toll free)

Manufactured by:

**Bell**  
LABORATORIES, INC. www.bellabs.com  
Madison, WI 53704 U.S.A.  
**MADE IN USA**

UN number: 3808.99.00



**HARMFUL  
SKADELIK**

- open to hooded livestock or other potentially destructive animals or in areas prone to vandalism.
- Do not contaminate ground water systems, surface water, ponds, waterways or ditches with rodenticide or its container.
  - Destroy empty container by perforation and burn and do not re-use for any other purpose.
  - Collect unused, spoiled or unconserved bait and dead rodents and dispose of in a responsible manner.
  - Prevent contamination of food, feedstuffs, eating utensils and drinking water.

**SYMPTOMS OF POISONING**  
Nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhoea, bleeding from gums and nose, bleeding under the skin, pallor, haemorrhage into and around elbow and knee joints, blood in urine and faeces.

**FIRST AID TREATMENT**  
**HAVE LABEL WITH YOU WHEN OBTAINING TREATMENT**  
**ADVICE**  
Eyes - Flush eyes with plenty of clean water for at least 15 minutes.  
Skin - Wash contaminated body area thoroughly with plenty of soap and water.

**NOTE TO PHYSICIAN**  
Administer Vitamin K<sub>1</sub> intravenously, 50-150 mg depending on prothrombin time on the first day. In severe cases, small transfusions of fresh blood can be considered.

**NOTE TO VETERINARIAN**  
Administer Vitamin K<sub>1</sub> intramuscularly or orally as indicated in bishydroxycoumarin overdose. Repeat as necessary based on monitoring of prothrombin time.

**USE RESTRICTIONS**  
For control of Norway and roof rats and house mouse: Do not place bait in areas where there is a possibility of contaminating food or surfaces that come in direct contact with food. This rodenticide must be applied in tamper-resistant bait stations. Do not broadcast bait.

**PRECAUTIONS**  
• Avoid contact with skin.  
• Wear protective gloves when handling bait.  
• After use and in case of accidental skin contact, wash thoroughly with soap and water.  
• Do not expose children, pets or non-target animals to rodenticide.  
• Store unused product out of reach of children and pets.  
• Apply bait in locations out of reach of children, pets, domestic animals and non-target wildlife, or in tamper-resistant bait stations. These stations must be resistant to destruction by dogs and by children under six years of age, and must be used in a manner that prevents such children from reaching into bait compartments and obtain bait. It can be shaken from bait stations when they are lifted, units must be secured or otherwise immobilized. Stronger bait stations are needed in areas

**WARNINGS**  
• Handle with care.  
• Harmful when swallowed or absorbed through the skin.  
• Toxic to fish and other animals.  
• A mild eye irritant.  
• Store in original container in a cool, dry place inaccessible to children and pets and away from food, feedstuffs and other chemicals.  
• Keep containers tightly closed when not in use.  
• Keep out of reach of children, uninfected persons and animals.  
• In case of poisoning, call a doctor and present this label. Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climate and storage conditions and the occurrence of resistance of the pests against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**URBAN AREAS:** This rodenticide may be used in and around the periphery of homes, industrial, commercial and public buildings. May also be used in transport vehicles (ships, trains, aircraft) and in and around related port or terminal buildings. May also be used in alleys.

**NON-URBAN AREAS:** This rodenticide may only be used in and around homes and agricultural buildings.

**FOLLOW-UP:** Replace contaminated or spoiled bait immediately. Collect and dispose of all dead, exposed animals and leftover bait. To prevent re-infestation, limit sources of rodent food, water and harborage as far as possible. If re-infestation does occur, repeat treatment. Where a continuous source of infestation is present, establish permanent bait stations and replenish as needed.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feedstuffs by storage or disposal. Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

**PESTICIDE DISPOSAL:** In accordance with local and national regulations. Do not allow material to contaminate ground water system. Do not contaminate surface water.

**PESTICIDE CONTAINER:** Do not re-use empty container. Do not use container for water, waterways or ditches with chemical or other contents. Destroy empty container by perforation and burn. If burning, stay out of smoke. Never use for any other purpose.

**JAGUAR™ is a trademark of Bell Laboratories, Inc. U.S.A.**  
012115

**Batch No.:**  
**Date of manufacture:**  
**Expiry date:**

**FOR USE IN SEWER:** Thread wire through block and securely attach to a stationary structure such as the bottom step of a manhole ladder or a sewer grate. Allow just enough wire for the block to rest on manhole benching. If benching is not present, suspend block a few centimeters above the high

**Urban areas:** This rodenticide may be used in and around the periphery of homes, industrial, commercial and public buildings. May also be used in transport vehicles (ships, trains, aircraft) and in and around related port or terminal buildings. May also be used in alleys.

**Non-urban areas:** This rodenticide may only be used in and around homes and agricultural buildings.

**DIRECTIONS FOR USE:** Use only as directed

**GENERAL:**  
Norway rats and the house mouse may consume a lethal dose in one night's feeding with first dead rodents appearing four or five days after feeding begins.

**SELECTION OF TREATMENT AREAS:**  
Determine areas where rats or mice will most likely find and consume the bait. Generally, these areas are along walls, by grained openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been seen. Protect bait from rain, direct sunlight and other extreme climatic conditions. Remove as much alternative food as possible.

**APPLICATION DIRECTIONS:**  
**MICE:** Place 1 block per placement. Space placement at 2.5 to 3.5 metre intervals. Two blocks may be needed at points of very high mouse activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until signs of mouse activity cease.

**RATS:** Place 5 to 22 blocks (usually at intervals of 4.5 to 8.2 metres) per placement. Maintain an uninterrupted supply of fresh bait for at least 10 days or until signs of rat activity cease.

**FOR USE IN SEWER:** Thread wire through block and securely attach to a stationary structure such as the bottom step of a manhole ladder or a sewer grate. Allow just enough wire for the block to rest on manhole benching. If benching is not present, suspend block a few centimeters above the high

water mark or secure block on a board supported by opposing steps of the ladder. Securing the block in this manner will prevent removal by rats or water. Use at least 15 blocks per manhole. Maintain an uninterrupted supply of fresh bait for at least 10 days or until signs of rat activity cease.

**FOLLOW-UP:** Replace contaminated or spoiled bait immediately. Collect and dispose of all dead, exposed animals and leftover bait. To prevent re-infestation, limit sources of rodent food, water and harborage as far as possible. If re-infestation does occur, repeat treatment. Where a continuous source of infestation is present, establish permanent bait stations and replenish as needed.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feedstuffs by storage or disposal. Store only in original container in a cool, dry place inaccessible to children and pets. Keep containers closed and away from other chemicals.

**PESTICIDE DISPOSAL:** In accordance with local and national regulations. Do not allow material to contaminate ground water system. Do not contaminate surface water.

**PESTICIDE CONTAINER:** Do not re-use empty container. Do not use container for water, waterways or ditches with chemical or other contents. Destroy empty container by perforation and burn. If burning, stay out of smoke. Never use for any other purpose.

**JAGUAR™ is a trademark of Bell Laboratories, Inc. U.S.A.**  
012115

**Batch No.:**  
**Date of manufacture:**  
**Expiry date:**

**FOR USE IN SEWER:** Thread wire through block and securely attach to a stationary structure such as the bottom step of a manhole ladder or a sewer grate. Allow just enough wire for the block to rest on manhole benching. If benching is not present, suspend block a few centimeters above the high

Urban areas: This rodenticide may be used in and around the periphery of homes, industrial, commercial and public buildings. May also be used in transport vehicles (ships, trains, aircraft) and in and around related port or terminal buildings. May also be used in alleys.

Non-urban areas: This rodenticide may only be used in and around homes and agricultural buildings.

Directions for use: Use only as directed

General: Norway rats and the house mouse may consume a lethal dose in one night's feeding with first dead rodents appearing four or five days after feeding begins.

Selection of treatment areas: Determine areas where rats or mice will most likely find and consume the bait. Generally, these areas are along walls, by grained openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been seen. Protect bait from rain, direct sunlight and other extreme climatic conditions. Remove as much alternative food as possible.

Application directions: Mice: Place 1 block per placement. Space placement at 2.5 to 3.5 metre intervals. Two blocks may be needed at points of very high mouse activity. Maintain an uninterrupted supply of fresh bait for at least 15 days or until signs of mouse activity cease. Rats: Place 5 to 22 blocks (usually at intervals of 4.5 to 8.2 metres) per placement. Maintain an uninterrupted supply of fresh bait for at least 10 days or until signs of rat activity cease. For use in sewer: Thread wire through block and securely attach to a stationary structure such as the bottom step of a manhole ladder or a sewer grate. Allow just enough wire for the block to rest on manhole benching. If benching is not present, suspend block a few centimeters above the high



Product Code: 933325



587AF



# JAGUAR BLOX

**SAFETY DATA SHEET**

**ACCORDING TO REGULATION**  
EC: 1907/2006

**DATE OF ISSUE:**  
02 February 2010

**PREPARED BY:**  
TH

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT NAME:**

**JAGUAR BLOX**

**USE:**  
Anticoagulant Rodenticide

**MANUFACTURER/IMPORTER:**  
Bell Laboratories, Inc.  
3699 Kinsman Blvd.  
Madison, WI 53704 USA  
email: [registration@belllabs.com](mailto:registration@belllabs.com)

**Registrant:** MC Pharma (Pty) Ltd  
P.O. BOX 336  
Wierda Park, 0149  
Pretoria, SOUTH AFRICA

**FORM:**  
Formulated Dry Bait

Pathogen & Environmental Solutions  
Nr 2 Staal Street  
Brackenfell Industria, 7561 South Africa  
Tel: +27 21 982 8689/ [www.pathogensolutions.co.za](http://www.pathogensolutions.co.za)

**EMERGENCY PHONE NOS.:**  
1-877-854-2494 (United States/Canada)  
+27 (012) 688 1047 (MC Pharma)  
+27 83 272 3302 (PES)  
+27 83 295 1313 (PES)

## 2. HAZARD IDENTIFICATION

**PRIMARY ROUTES OF ENTRY:** Ingestion.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPOSITION:** Brodifacoum [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one]

**% BY WEIGHT:**  
0.005 %

**CAS NO.:**  
56073-10-0

**EC NO.:**  
259-980-5

## 4. FIRST AID MEASURES

**EYE CONTACT:** Flush with cool water for at least 15 minutes. If irritation develops, obtain medical assistance.

**SKIN CONTACT:** Wash with soap and water. If irritation develops, obtain medical assistance.

**INHALATION:** None

**INGESTION:** Call physician or emergency number immediately. Do not give anything by mouth or induce vomiting unless instructed by physician.

**SYMPTOMS:** Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding.

**ADVICE TO PHYSICIAN:** If ingested, administer Vitamin K<sub>1</sub> intramuscularly or orally as indicated by bishydroxycoumarin overdoses. Repeat as necessary as based upon monitoring of prothrombin times.

## 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Extinguish with water, foam or inert gas.

**MEASURES UNSUITABLE FOR SAFETY REASONS:** None

**PROTECTIVE EQUIPMENT:** Firefighters should be equipped with protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** Gloves should be worn during clean up.

**ENVIRONMENTAL PROTECTION:** Avoid entry to watercourses.

**CLEAN UP AND DISPOSAL:** Sweep up spilled material, place in properly labeled container for disposal or re-use. Dispose of all wastes in accordance with all local, regional and national regulations.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep product in the original container. Do not handle the product near food, animal foodstuffs or drinking water. Keep out of reach of children. Do not use near heat sources, open flame, or hot surfaces. Wash thoroughly with soap and water after handling.

**STORAGE:** Store in a cool, dry place inaccessible to children, pets and wildlife. Keep container tightly closed when not in use. Avoid contamination of lakes, streams and ponds by use, storage and disposal.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>SPECIAL PROTECTIVE EQUIPMENT:</b> Not Required	<b>VENTILATION:</b> Not required	<b>RESPIRATOR TYPE:</b> Not required
<b>SKIN PROTECTION:</b> Rubber gloves (recommended)	<b>EYE PROTECTION:</b> Not required	<b>HYGIENE RECOMMENDATIONS:</b> Wash thoroughly with soap and water after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> Red blocks with sweet grain-like odor.	<b>BOILING POINT:</b> N/A	<b>MELTING POINT:</b> N/A	<b>FREEZING POINT:</b> N/A
<b>FLASH POINT:</b> N/A	<b>DENSITY:</b> N/A	<b>VAPOR PRESSURE:</b> N/A	<b>SOLUBILITY:</b> N/A

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable if stored in original container in a cool, dry location

**INCOMPATIBILITY/CONDITIONS TO AVOID:** Strongly alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

<b>LD50, ORAL (INGESTION):</b> >5000 mg/kg (rats)	<b>LD50, DERMAL (SKIN CONTACT):</b> > 5001 mg/kg (rats)	<b>LC50, INHALATION:</b> N/A
<b>EYE IRRITATION:</b> None (rabbits)	<b>SKIN IRRITATION:</b> None (rabbits)	<b>DERMAL SENSITIZATION:</b> Not Considered a Sensitizer

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL BEHAVIOR:** Solid, non-volatile. Material is essentially insoluble in water.

**ENVIRONMENTAL TOXICOLOGY:** Prevent access to non-target mammals and birds.

**EFFECTS ON WASTEWATER TREATMENT:** Unlikely to have any effect on wastewater treatment.

## 13. DISPOSAL

**WASTE DISPOSAL METHOD:** Wastes resulting from use may be disposed of on-site or at an approved waste disposal facility. Dispose of all wastes in accordance with all local, state and national regulations.

## 14. TRANSPORT INFORMATION

<b>CLASSIFICATION:</b> Not regulated or not classified as dangerous by DOT (USA), IATA (Air), or IMDG (Vessel).	<b>SHIPPING NAME:</b> Rodenticide containing Brodifacoum.
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## 15. REGULATORY INFORMATION

**CLASSIFICATION:** Not classified as Dangerous for supply/use.

## 16. OTHER INFORMATIONS

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Bell Laboratories, Inc. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all current data relevant to their particular use.

# MATERIAL SAFETY DATA SHEET

## NUVAN PROFI

### COMPANY DETAILS:

**Name:** Avima (Pty) Ltd  
**Address:** No. 18 Aschenberg Street  
Chamdor  
Krugersdorp  
**Tel. Nr.:** (011) 769 1300  
**Fax Nr.:** (011) 762 5712  
**Emergency Tel Nr.:** 083 326 3581 / 082 823 4473 **OR** 0800 172 743

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### 1. PRODUCT IDENTIFICATION:

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**Trade Name:** Nuvan Profi  
**Common Name (ISO):** Dichlorvos  
**Chemical Name:** Dichlorvos  
**Simplified formula:**  $C_4H_7Cl_2O_4P$   
**Molecular weight:** 221,0  
**Cas number:** [62-73-7]  
**Chemical Class:** Organophosphate

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### 2. COMPOSITION:

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Ingredients per 330 ml can:

Dichlorvos tech	28,7625 g
Irgarol	6,75 g
Acetone	39,4875 g
Butane B56	150 g

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### 3. PHYSICAL AND CHEMICAL CHARACTERISTICS:

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**Appearance:** Pale yellow liquid  
**Odour:** Aromatic odour  
**Density @ 20 °C (kg/λ):** 1,425  
**Solubility in H<sub>2</sub>O:** Emulsify in water.

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### 4. FIRE AND EXPLOSION HAZARD:

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<b><u>Flash Point:</u></b>	N/A
<b><u>Flammability:</u></b>	Flammable
<b><u>Auto ignition Temperature:</u></b>	Not available
<b><u>Decomposition Temperature:</u></b>	Not available
<b><u>Acute Hazards:</u></b>	Formulation contains organic solvents
<b><u>Special fire fighting procedures:</u></b>	Keep fire exposed containers cool with water spray. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. No unprotected persons should be allowed the vicinity. Water spray may be used to flush spills away from exposures. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Contain run-off with temporary earth barriers.
<b><u>Extinguishing Media:</u></b>	Water spray or fog, foam, dry chemical or carbon dioxide. (water may be ineffective for putting out fires, unless used by experienced fire-fighters)
<b><u>Special protective equipment:</u></b>	Do not breath fumes. For fires in close areas, fire fighters must use self-contained breathing apparatus, as well as full protective nitrile rubber gloves, close fitting safety goggles or face shield, effective respiratory protection. Full lenght protective clothing and boots must be worn when handling gear, this material in an emergency.
<b><u>Hazardous decomposition products:</u></b>	Toxic fumes including smoke CO <sub>2</sub> , aldehydes and other decomposition products.

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### 5. REACTIVITY DATA:

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**Stability:** Stable  
**Conditions to avoid:** Heat, sparks, flame and build up of static electricity, spillage onto roadways, etc.  
**Hazardous decomposition products:** Incomplete combustion will produce carbon monoxide and other toxic fumes.  
**Degradation:** In the environment degradation occurs.

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## 6. WARNINGS:

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Store under lock and key.  
Store in a cool, dry place, away from source of heat & naked flames.  
Keep away from oxidizers and acids.  
Keep containers closed when not in use.  
Minimize skin and eye contact.  
Decontaminate all equipment before repairing.  
Keep out of reach of children, uninformed persons and animals.  
Store away from farm feeds, foodstuffs, eating utensils and drinking water.  
Flammable liquid.

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## 7. HEALTH HAZARD DATA: (Acute Hazards & Symptoms)

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**Effects of overexposure:** Symptoms of acute poisoning develop within 12 hours (usually within 4 hours) of contact. Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness of the chest, anxiety, blurred vision, confusion, muscle twitching, beginning in the eyelids and tongue, small pupils, respiratory distress, convulsions and coma.

**Inhalation:** May cause tightness of chest respiratory failure, headache, dizziness, sweating, nausea, vomiting, abdominal cramps, weakness, loss of coordination, seizures, & coma.

**Skin:** Product is can be easily absorbed through the skin. Prolonged or repeated contact may cause dermatitis.

**Eyes:** Will cause irritation, blurred vision & possible blindness.

**Ingestion:** May cause headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness in the chest, anxiety, blurred vision, muscle twitching beginning in the eyelids and tongue, small pupils, respiratory distress, convulsions, coma.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Inhalation:** Avoid inhalation of spray mist. Use only in well-ventilated areas, in case of insufficient ventilation, wear suitable respiratory equipment. Approved respiratory equipment must be used when vapour or mists concentrations exceed applicable standards.

**Skin:** Wear protective clothing (long sleeve shirt & pants) as well as protective gloves (solvent resistant gloves). Launder contaminated clothing before re-use. Avoid skin contact. Keep working clothes separately and do not take home. Good personal hygiene practices should always be followed. Provide local emergency shower.

**Eyes:** Avoid contact with eyes. Wear eye & face protection (safety glasses & face shields). When handling this product, wear goggles giving completely eye protection. Normal industrial eye protection practices should be employed. Provide emergency eye wash stations.

**Ingestion:** Store away from food & feedstuffs. Do not eat, drink or smoke whilst handling this product. Wash hands & face after handling the product, before eating and drinking.

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## **9. FIRST AID MEASURES:**

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**Inhalation:** Remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If breathing is difficult, give oxygen. If necessary administer artificial respiration and oxygen or closed chest cardiac massage. Seek medical attention immediately.

**Skin:** Remove contaminated clothing & shoes. Immediately rinse the affected skin area with plenty of soap & cool water or shower. Do not rub skin. Launder contaminated clothing before re-use. If irritation occurs & persists, seek medical attention.

**Eyes:** Flush contamination of eyes with copious amounts of clean water for at least 15 min. Cover with a sterile pad and seek medical attention.

**Ingestion:** Keep patient quiet & reassured, rinse mouth with water. If water diluted mixture has been swallowed, induce vomiting by tickling the back of the throat. If concentrate has been swallowed, firstly give copious quantities of either beaten egg white, starch solution of Milk of Magnesia before inducing vomiting. Repeat

until vomiting fluid is clear and free from smell of poison. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece. Contact a doctor or hospital.

**NOTE TO PHYSICIAN:**

Administer Atropine Sulphate, intravenously, (1-4mg) every 5-10 minutes until signs of atropinization(dry flushed skin & tachycardia) ; 2 – PAM 50 mg/kg up to a total dose of 1-2g or 2/3 of this dose of protopam. Repeat oximes if necessary. **DO NOT GIVE MORPHINE, AMINOPHYLLINE, PHENOTHIAZINES, RESERPINE, FUROSEMIDE OR ETHACRYNIC ACID.** SEEK MEDICAL ADVICE AND SHOW THIS MSDS TO A MEDICAL DOCTOR.

Administer doidoxime chloride ( Toxogonin, Merck ) in cases of severe poisoning in which respiratory depression, muscle weakness and twitchings are severe. When administer early ( less than 36 hours after poisoning ) obidoxine chloride relieves the nocotinic effects of poisoning.

**Adult dosage:** 3-5 mg/kg intravenously and slowly, 5ml after atropine administration.

**Child's dosage:** 4 – 8 mg/kg intravenously and slowly, 5 minutes after Atropine administration (the upper limit should not be exceeded and administration should not be repeated within 2 hours).

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**10. ACCIDENTAL RELEASE MEASURES:**

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**Notification procedures:**

Report spills as required to appropriate authorities.

**Procedures if material is released or spilled:**

Evacuate unprotected personnel, dike / contain spill with dry sand, inert material and sweep up and place into proper container as for toxic waste in accordance with local/national regulations. DO NOT BURN. Protective clothing to be worn when clearing spillage. If safe disposal is not possible contact manufacturer, dealer or local representative.

**Environmental Precautions:**

Prevent spills from entering storm sewers or drains, waterways and contact with soil.

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**11. HANDLING & STORAGE:**

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**Suitable Material:**

Aluminium / tin-plate.

**Handling /storage precaution:**

Do not inhale spray mist. Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours, wash with soap and water after use/accidental skin contact. Do not eat, drink or smoke while working. Exposed operating

positions must have an efficient local exhaust source, working areas must be well ventilated. In addition to the measures taken usually in the chemical works like splash proof filling and measuring equipment (including vapour stripping). Further personnel protection measures may have to be implemented to avoid possible contact with the product.

**Cleaning of equipment after use:**

During application and when cleaning equipment and protective clothing, contamination of all sources of drinking H<sub>2</sub>O, rivers, dams, other crops or grazing shall be prevented. Clean protective clothing, used protective clothing and the workers personal clothing shall be kept apart. At the end of each day, all protective clothing and respirators, shall be decontaminated, washed, rinsed and dried. Extra care must be taken when cleaning equipment after use.

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**12. DISPOSAL CONSIDERATION:**

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**Waste disposal:**

Triple rinse empty container in the following manner:  
Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container 3 times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Product should be utilized completely to avoid disposal.

**Disposal of residue:**

Residue to be disposed of as toxic waste in accordance with local/national regulations. DO NOT BURN.

**Disposal of used packing material:**

Destroy empty containers by perforation or flattening, and DO NOT re-use for any other purpose. DO NOT BURN.

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**13. TRANSPORTATION DATA:**

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**Hazardous Description Label:**

Organophosphorous pesticide, liquid, flammable, toxic, n.o.s contains dichlorvos.  
Keep away from foodstuffs.  
Flammable liquid (aerosol)  
Toxic.

**UN Hazard Class:**

2.1

**UN Packing Group:**

III

**ICAO/IATA: Shipping Name:**

Flammable liquids. (contain AROMATIC / ALIPHATIC SOLVENT BLEND)

**Label(s):**

Flammable liquid.



**Class:** Poison  
**Subsidiary risk:** 2.1  
**UN No.:** 6.1  
**Additional information:** 1950  
Contains Dichlorvos.

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#### **14. ENVIRONMENTAL DATA:**

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Acute Oral LD <sub>50</sub>	200 mg/kg	(Rat)
Acute Dermal LD <sub>50</sub>	600 mg/kg	(Rat)
Acute Inhalation LD <sub>50</sub>	600 mg/m <sup>3</sup>	(Rat 4 h / 20 °C)
Acute Inhalation LD <sub>50</sub>	1200 mg/m <sup>3</sup>	(Rat 1 h / calculated)
Eye Irritation	Slight	(Rabbit)
Skin Irritation	Slight	(Rabbit)
Fish LC <sub>50</sub>	2,2 mg/L	(Trout, toxic)

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#### **15. OTHER INFORMATION:**

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HARMFUL OR FATAL IF SWALLOWED.  
HARMFUL IF INHALED.  
COMBUSTIBLE LIQUID AND VAPOUR.  
MAY CAUSE SKIN IRRITATION ON PROLONGED, REPEATED SKIN CONTACT.  
AVOID BREATHING OF VAPOUR OR MIST.  
KEEP AWAY FROM HEAT OR FLAME.  
KEEP CONTAINER CLOSED.  
USE WITH ADEQUATE VENTILATION.  
AVOID WEARING OF CLOTHING SOAKED WITH CHEMICAL.

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#### **16. NOTE:**

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THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE ON THE PRODUCT, ALL INFORMATION IS GIVEN IN GOOD FAITH BUT WITHOUT GUARANTEE IN RESPECT OF ACCURACY, AND NO RESPONSIBILITY IS ACCEPTED FOR ERRORS OR EMISSION OR THE CONSEQUENCES THEREOF.

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# SAFETY DATA SHEET



Publication date: April 1995      Sheet number: BES/SA 0074      Revised on: 4 July 2014      Revision number: 9

## 1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **PCO FLUSHING AGENT**

Usage: Insecticide

Company identification: Bayer (Pty.) Ltd.  
Reg. No. 1968/011192/07  
P.O. Box 143, Isando 1600  
SOUTH AFRICA

Telephone: +27 11 365 8600  
+27 11 921 5911

Fax: +27 11 921 5754

Responsible department: Product Development and Regulatory Affairs  
+27 11 921 5310/5663/5471/5639  
Simon.lowe@bayer.commagdel.mellet@bayercropscience.com

In case of poisoning emergencies:  
Bayer (office hours only): +27 11 921 5310/5663/5471/5639  
Tygerberg Poison Centre: +27 21 931 6129  
Griffon Poison Information Centre: +27 82 446 8946

## 2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Aerosol (AE)  
Pyrethrins 4 g/kg

### Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Pyrethrins	8003-34-7 232-319-8	Xn, N	R20/21/22, R50/53	0,4

For the full text of the R-phrases mentioned in this Section, see Section 16.

## 4) FIRST AID MEASURES

**Inhalation:** Remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If not breathing administer artificial respiration (to be administered by trained personnel), if breathing is difficult give oxygen. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece.

**Skin contact:** Remove contaminated clothing, rinse the affected skin area with plenty of soap and cool water or shower, continue to wash for 10 minutes. Obtain medical attention if excessively exposed to propellant and redness and blistering occurs and persists. Wash contaminated clothing before re-use.

**Eye contact:** Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile dressing, get medical attention.

**Ingestion:** Keep patient calm and reassured, rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece.

**SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO A MEDICAL PRACTITIONER**

**Note to physician:** No specific antidote known. Symptomatic and supportive treatment as indicated.

## 5) FIRE FIGHTING MEASURES

**Fire hazards:** Flammable gas under pressure.  
Flash point of solvent: 65 to 70 °C (Closed cup - PMCC)  
Flash point of propellant: About -60 °C (Closed cup)

**Explosion hazards:** Violent rupture of containers involved in a fire, possible.  
Vapours of propellant are heavier than air, may travel along the ground and be ignited at remote locations and flash back.

# SAFETY DATA SHEET



The PROPELLANT IS EXPLOSIVE; EXPLOSIVE LIMITS: 1,9 to 8,5 % in air.  
Auto-ignition temperature of propellant: 405 °C

Decomposition products in a fire: The active ingredient decomposes in a fire to emit acrid smoke and irritating fumes; the propellant decomposes in a fire to emit carbon monoxide and carbon dioxide.

Fire extinguisher agents to be used: Dry powder; CO<sub>2</sub>.

Protection for fire fighters: Chemical impermeable gloves, face shield, effective respiratory protection or self contained breathing apparatus as dictated by circumstances, full length protective clothing, apron and boots.

Fire: Self-contained breathing apparatus as irritating fumes may be given off.

Specific methods: Water fog to be used to keep undamaged containers cool in a fire.  
Eye contact with the liquid propellant may cause frostbite and severe corneal damage.  
High airborne concentrations of propellant may cause irritation to eyes and skin.  
Skin contact with the liquid propellant may cause frostbite and irritation.  
The propellant reacts vigorously with oxidizing agents.  
No unprotected person should be allowed in the vicinity. Evacuation of area may be necessary in a fire.  
Water spray may be used to disperse accumulating vapour of punctured cans.  
Contain liquid run-off with temporary earth barriers.  
The material is toxic to fish, bees and other useful insects.

## 6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing. Eliminate all ignition sources.  
Report incident to emergency personnel if aerosol cans are damaged.

Environmental precautions: Prevent contamination of vegetation, sewers, waterways or low areas, drinking water and/or crops and grazing.

Methods for cleaning up: Extinguish all flames. Dike spill. Absorb liquid with sand or other non-flammable absorbent material. Shovel up carefully and dispose of as for flammable and toxic waste in accordance with local/national regulations.

Prevention of secondary hazards: No smoking or naked flames. Inspect for damaged aerosol cans.

Protective clothing: Chemical impermeable gloves, face shield, effective respiratory protection or self-contained breathing apparatus as dictated by circumstances, full length protective clothing, apron and boots.

## 7) HANDLING AND STORAGE

Handling: Use only as per directions on label. Pressurised container; protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn container, even after use. FLAMMABLE - do not spray near a naked flame. Prevent contamination of food, feedstuffs, eating utensils and drinking water. Remove pets and cover aquaria. Prevent excessive wetting of plastics and highly polished surfaces. Wash with soap and water after use. Avoid excessive inhalation and skin contact.

Technical measures: Ensure adequate ventilation. Eliminate any source of ignition.

Prevention of worker exposure: Local and general ventilation, prevention of uncontrolled aerosol generation.

Environmental precautions: PRECAUTIONS: During application and when cleaning protective clothing, contamination of all sources of drinking water, rivers, dams, crops or grazing shall be prevented.

HAZARDS: Violent eruption of aerosol can if exposed to temperatures above 50 °C. Prevent damage to aerosol can, do not puncture. The product is toxic to fish, bees and other useful insects.

Cleaning of equipment after use: All protective clothing and respirators used shall be decontaminated, washed, rinsed and dried.

Storage: Suitable storage conditions:  
Store under lock and key and out of reach of children and domestic animals.  
Store in a cool, dry place away from sources of heat and naked flames.  
  
Precautions: Store away from foodstuffs, eating utensils and drinking water. Do not expose aerosol container to temperatures exceeding 50 °C.

Packaging materials: Recommended packaging: Aerosol can with crack and crevice nozzle. For liquid spillage: Metal drum.  
Unsuitable packaging: Plastic containers.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls - Engineering: Effective ventilation to be maintained at all times. Do not expose aerosol container to temperatures above 50 °C.

# SAFETY DATA SHEET



## Personal protection:

Application:	Adequate ventilation. Wash exposed skin area, face and hands after use.
Manufacture of concentrate:	Chemical impermeable gloves, barrier cream on exposed skin, goggles if necessary, respiratory protection, full length overalls and boots.
Emergency:	Chemical impermeable gloves, face shield, effective respiratory protection or self-contained breathing apparatus as dictated by circumstances, full length protective clothing and boots.
Specific hygiene measures:	Avoid skin contact and inhalation of spray mist. Wash face and hands after use and before eating or smoking.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

Description:	A clear, yellow concentrate liquid contained under pressure in an aerosol can.
Flash point for solvent:	65 to 70 °C (Closed cup)
Flash point for propellant:	About - 60 °C (Closed cup)
Solubility:	Pyrethrins are relatively insoluble in water; miscible with most organic solvents.

## 10) STABILITY AND REACTIVITY

Stability:	The product is stable in original container in normal temperatures and conditions.
Compatibility:	The pyrethroid is incompatible with alkaline substances. Hydrolysis and loss of insecticidal activity.
Decomposition:	For pyrethrins in light and air, oxidation and loss of insecticidal activity occurs.
Fire:	The active ingredient decomposes in a fire to emit acrid smoke and irritating fumes.

## 11) TOXICOLOGICAL INFORMATION

Acute toxicity:  
The product may be hazardous on inhalation, skin contact and ingestion.  
(active ingredient)

LD <sub>50</sub> acute oral, rats:	584 to 900 mg/kg
LD <sub>50</sub> acute percutaneous, rats:	> 1 500 mg/kg
LD <sub>50</sub> acute percutaneous, rabbits:	> 5 000 mg/kg

Pyrethrins may cause dermatitis in sensitized individuals. Persons sensitive to pollen are prone to allergic reactions which include respiratory discomfort.

Eye contact: Contact with the liquid or spray mist may be irritating, causing redness, pain and blurred vision; excessive contact with the propellant may cause frostbite and corneal damage. High airborne concentrations of propellant may cause irritation.

Inhalation: The propellant is an asphyxiant and high concentration may cause drowsiness and loss of consciousness; avoid excessive inhalation of spray mist. The pyrethroid toxin may cause numbness of the lips and tongue, sneezing. Persons sensitive to pollen are prone to allergic reactions to pyrethroids which may include respiratory discomfort, asthma and vasomotor rhinitis; may be delayed for several hours.

Skin contact: Avoid skin contact with spray mist or liquid contents; may be irritating causing redness, discomfort; pyrethroid toxin cause allergic reaction in sensitive persons which may include dermatitis, asthma and vasomotor rhinitis. Excessive contact with propellant may cause redness and blistering.

Ingestion and overexposure: The pyrethroid toxin is a central nervous system stimulant and may cause convulsions. The liquid concentrate contains a solvent; DO NOT induce vomiting. Ingestion of content due to contamination of food may cause numbness of the lips and tongue, sneezing and/or nausea; persons sensitive to pollen are prone to allergic reactions to pyrethroids which may be delayed for several hours.

## 12) ECOLOGICAL INFORMATION

Toxicity to fish:  
For pyrethrins the LC<sub>50</sub> (96 hours) (static tests) for coho salmon is 39 mg/ℓ and for channel catfish is 114 mg/ℓ.

Toxicity to bees:  
For honeybees the oral LD<sub>50</sub> is 150 ng/bee and for contact is 130 to 290 ng/bee. Pyrethrins exhibit a repellent effect to bees.

Persistence/Degradation:  
For pyrethrins in the environment, degradation, promoted by sunlight and UV light, begins at the alcohol group and involves the formation of numerous unknown cleavage products.

# SAFETY DATA SHEET



**Bioaccumulation:**  
Pyrethrins are oxidized in sunlight and rapidly hydrolysed by alkali with loss of insecticidal activity.

## 13) DISPOSAL CONSIDERATIONS

**Accidental spillages:** If aerosol cans have been punctured, extinguish all source of ignition. Consider evacuation of unnecessary people. Contain liquid spillage with sand or earth; disperse vapour cloud with water spray. Cover drains, sewers, etc. and inform authorities if major spillage occurs. Sweep up and dispose of contained spillage after all danger of fire has been eliminated and dispose of as for flammable and toxic waste in accordance with local/national regulations.

**Protective clothing to be worn when clearing spillage.**

**Waste from residues:** Liquid residue to be disposed of as for flammable and toxic waste in accordance with local/national regulations.

**Disposal of used packaging material:** Dispose of empty containers as flammable and toxic waste in accordance with local/national regulations. DO NOT burn. DO NOT puncture containers.

## 14) TRANSPORT INFORMATION

Un no. 1950

Class: 2.1

IMDG: 2013

Ems: 2-13

MFAG: 620

Subsidiary risk: •

Packaging group: III

Declaration for land shipment: 1950 AEROSOLS, flammable

Declaration for sea shipment: 1950 AEROSOLS, flammable

Declaration for shipment by air: 1950 AEROSOLS, flammable

## 15) REGULATORY INFORMATION

Classification in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Hazard warning labelling compulsory.

Hazardous components which must be listed on the label: Imidacloprid

Symbol(s):  
N: Dangerous for the environment.

Risk phrase(s):  
R10: Flammable.

Safety phrase(s):  
S2: Keep out of the reach of children.  
S15: Keep away from heat.  
S24: Avoid contact with the skin.

Exceptional labelling: To avoid risks to man and the environment, comply with the instructions for use.

WHO Classification: III (Slightly hazardous)

## 16) OTHER INFORMATION

Text of R-phrases mentioned in Section 3:

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Consult the label for directions for use.

## SAFETY DATA SHEET



THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.

If the logo in this document is not in colour, this document is a photocopy and could be out of date.

Bayer Environmental Science



Before using this product read the label carefully. / Lees die etiket noukeurig alvorens die produk gebruik word.

## PCO Flushing Agent

Reg. No. L4970 Act No. 36 of 1947  
Namibian Reg. No. N-AR 0594

Reg. Nr. L4970 Wet Nr. 36 van 1947  
Namibiese Reg. Nr. N-AR 0594

A CRACK AND CREVICE AEROSOL FOR  
THE FLUSHING OUT OF COCKROACHES  
AND FISHMOTHS.

'N AËROSOL VIR BEHANDELING VAN  
KRAKIES EN BARSIES, OM  
KAKKERLAKKE EN VISMOTTE UIT TE  
DRYF.

### ACTIVE INGREDIENT: / AKTIEWE BESTANDDEEL:

Pyrethrins

4 g/kg

Piretriene

NETTO CONTENTS: / NETTO INHOUD: 300 ml

### REGISTRATION HOLDER / REGISTRASIEHOUER:

Bayer (Pty.) Ltd. / (Edms.) Bpk.  
Reg. No. / Nr. 1968/011192/07  
P.O. Box / Posbus 143  
ISANDO 1600  
SOUTH AFRICA / SUID-AFRIKA  
TEL: (011) 921 5911

Batch no: / Lotnommer:

Date manufactured: / Datum vervaardig:

UN. No./ VN Nr. 1950



CAUTION  
VERSIGTIG



**WARNINGS:**

Keep out of reach of children, uninformed persons and animals.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C.  
Do not pierce or burn container, even after use.  
Flammable - do not spray near a naked flame.

**PRECAUTIONS:**

Prevent contamination of food, feedstuffs, eating utensils and drinking water.  
Remove pets and cover aquaria.  
Prevent excessive wetting of plastics and highly polished surfaces.  
Avoid excessive inhalation and skin contact.

**DIRECTIONS FOR USE: USE ONLY AS DIRECTED.**

1. Use **PCO Flushing Agent** prior to general treatment, for identification of source and level of infestation and determination of active harbourages.
2. Fit extension tube to actuator.
3. Direct short bursts of spray into cracks, crevices and potential insect harbourages.

For any product enquiry, contact Bayer Environmental Science - 011 921 5911. For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

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[www.bayeres.co.za](http://www.bayeres.co.za)



### **WAARSKUWINGS:**

Hou buite bereik van kinders, oningeligte persone en diere.

Houer onder druk: beskerm teen direkte sonlig en moet nie aan temperature bo 50 °C blootstel nie.

Moet nie gaatjies in houer steek of verbrand nie, selfs na gebruik.

Vlambaar - moet nie naby 'n oop vlam spuit nie.

### **VOORSORGMAATREËLS:**

Voorkom besoedeling van voedsel, voedselware, voer en drinkwater.

Verwyder troeteldiere en bedek akwariums.

Voorkom oormatige benutting van plastiek en hoëglans oppervlakke.

Voorkom enige oormatige inaseming en velkontak.

### **GEBRUIKSAANWYSINGS:** GEBRUIK SLEGS SOOS AANGEDUI.

1. Gebruik **PCO Flushing Agent** voor algemene behandeling, vir identifikasie van bron en graad van besmetting en bepaling van aktiewe skuilplekke.
2. Pas verlengde spuit op die aandrywer.
3. Bespuit krakies, barsies en potensiële skuilplekke van insekte met kort sarsies van die spuitmiddel.

Vir enige produk navrae, skakel Bayer Environmental Science - 011 921 5911. Slegs vir vergiftigingsnoodgevalle kan Griffon Gif Inligtingsentrum ook gekontak word - 082 446 8946.

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# Racumin® PASTE/PASTA

## RODENTICIDE

REG. NO. L6401 Act No. 36 of 1947

Before using this product read the label carefully.

Racumin Paste is a universal bait for rat control in all areas, including dumps and port-of-call stations. Due to its special formulation, Racumin Paste presents the following benefits: excellent palatability, stops phobias and sickness, convenient handling, ready-to-use, biodegradable packaging, contains brock.

**ACTIVE INGREDIENT:**

Coumatetralyl (anticoagulant)..... 0,375 g/kg

**REGISTRATION HOLDER:**

Bayer (Pty.) Ltd. Reg. No. 1968/011192/07  
P.O. Box 143, ISANDO 1600, SOUTH AFRICA  
TEL: (011) 921 5911

RACUMIN® is a registered trademark of the Bayer Group.

### 5 kg (500 x 10 g Sachets)

Rats • Rotte



6 005317 001010

Zakwaso • Amiba Yezwisi



CAUTION  
VERSIGTIG



## Racumin<sup>®</sup> PASTE/PASTA

### **WARNINGS:**

Handle with care. Poisonous if swallowed. Toxic to fish, wildlife, pigs and other domestic animals. Store away from food and feedstuffs. Keep out of reach of children, uninformed persons, animals, poultry and livestock. Keep baiting material in original packaging in a cool and safe place. **IN CASE OF POISONING, CALL A DOCTOR AND MAKE THIS LABEL AVAILABLE TO HIM.**

### **PRECAUTIONS:**

Store and apply **Racumin<sup>®</sup> Paste** away from food and feedstuffs. After work and before meals wash hands and exposed skin. Do not smoke, eat or drink while working with the bait. Remove all remains of bait and bait packaging after treatment as well as all dead rodents and dispose of in a responsible manner. Preferably place **Racumin<sup>®</sup> Paste** in bait stations in order to limit access to rodents and out of reach of children and other animals.

### **SYMPTOMS OF HUMAN POISONING:**

Bleeding from the gums and nose, bleeding under the skin, pallor, haemorrhage into and around the elbow and knee joints and blood in urine and faeces.

### **FIRST AID TREATMENT:**

If accidentally swallowed induce vomiting by tickling the back of the throat. Repeat until vomit is clear.

### **NOTE TO PHYSICIAN:**

Intravenous Vitamin K1, 50-150 mg on first day depending on prothrombin time. In severe cases small transfusions of fresh blood.

### **DIRECTIONS FOR USE: USE ONLY AS DIRECTED.**

Place the paste bait in places frequented by rats, e.g. rat holes, runways and feeding places. **The paper sachets are ready to use, do not open them.** Put down up to 200 g of paste bait at each baiting point depending on infestation level. Continue putting the bait down until no more of it is taken.

**NOTE:** Coumatetralil, like other Coumatrin compounds has a cumulative action, i.e. small quantities must be consumed on several consecutive days until the specific symptoms of poisoning appear. Consequently, it is the repeated intake of small dosages and not a single intake of a large quantity that causes eradication of the rodents. This multiple feed efficacy reduces the risk of secondary poisoning of non-target animals.

For any enquiry, contact Bayer - **0861 022 937 (08610BAYER)**. For poisoning emergencies only, Griffon Poison Information Centre may also be contacted - 082 446 8946.

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Batch no. / Lotnummer: See on pack

Date of manufacture: / Datum vervaardig: Sien op houer

# Bayer

ZA79382871C - ARTICLE 79429924

### **WAARSKUWINGS:**

Hanteer versigtig. Giftig wanneer ingeneem. Giftig vir vis, wild, varke en huisdiere. Bewaar weg van voedsel en voer. Hou buite bereik van kinders, oningeligte persone, diere, pluimvee en lewendige hawe. Hou lokaas materiaal in oorspronklike verpakking en bewaar in 'n koel veilige plek. **ONTBIED DIE GENESHEER EN TOON HIERDIE ETIKET AAN HOM IN GEVAL VAN VERGIFTIGING.**

### **VOORSORGMATREËLS:**

Bewaar en dien **Racumin<sup>®</sup> Pasta** toe weg van voedsel en voer. Was hande en blootgestelde liggaamsdele na gebruik en voor etes. Moet nie eet, rook of drink terwyl met die lokaas gewerk word nie. Verwyder alle oorblywende lokaas en lokaasverpakking na behandeling asook alle dooie knaagdiere en raak daarvan ontslae op 'n verantwoordelike wyse. **Racumin<sup>®</sup> Pasta** moet verkieslik in lokaasstasies geplaas word om sodoende toegang tot rotte te beperk. Dit moet so geplaas word dat kinders en ander diere dit nie kan bereik nie.

### **SIMPTOME VAN MENSLIKE VERGIFTIGING:**

Bloeding van die tandvleis en neus, bloeding onder die vel, bleekheid, bloeding in en rondom the elmboog- en kniegewrigte, bloed in die urine en ontlasting.

### **NOODHULPBEHANDELING:**

Indien per mond ingeneem, veroorsaak vormering deur die agterste gedeelte van die keel te prikkel met u vinger. Herhaal tot die voerersel helder is.

### **NOTA AAN GENESHEER:**

Binnearse Vitamien K1, 50-150 mg op die eerste dag afhange van protrombientyd. In ernstige gevalle klein bloedtoetappings met vars bloed.

### **GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.**

Plaas pasta lokaas tesame met die papieromhulsel, in plekke wat gereeld deur rotte besoek word bv. rotgate, -paadjies en -eetplekke. Die papiersakkies is gereed-voor-gebruik, moet dit nie oopmaak nie. Plaas tot 200 g van die pasta lokaas by al die lokaas punte, na gelang van die infestasiestadium. Hou aan om die lokaas neer te sit tot geen aas meer geneem word nie.

**NOTE:** Coumatetralil soos ander Kumanenderivate, het 'n opbouende werking m.a.w. klein hoeveelhede moet op opeenvolgende dae ingeneem word totdat die spesifieke simptome van vergiftiging voorkom. Dit is gevolglik die herhaaldelike inname van klein hoeveelhede en nie 'n enkele inname van 'n groot dosis nie, wat tot gevolg het dat knaagdiere uitgeroei word. Hierdie veelvuldige voedingseffek beperk die risiko van sekondêre vergiftiging van nie-teikendiere tot 'n minimum.

Vir enige navrae, skakel Bayer - **0861 022 937 (08610BAYER)**. Slegs vir vergiftigingsnoodgevallen kan Griffon Giftinligtingssentrum ook gekontak word - 082 446 8946.

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## **RACUMIN PASTE**

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### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1 Product identifier**

**Trade name** RACUMIN PASTE

**Product code (UVP)** 05141435

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Use** Rodenticide

#### **1.3 Details of the supplier of the safety data sheet**

**Supplier** Bayer Environmental Science  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
United Kingdom

**Telephone** 00800-1214 9451

**Telefax** +44(0)1223 426240

**Responsible Department** Email: [ukinfo@bayercropscience.com](mailto:ukinfo@bayercropscience.com)

#### **1.4 Emergency telephone no.**

**Emergency telephone no.** 0800-220876 (UK 24 hr)

### **SECTION 2: HAZARDS IDENTIFICATION**

#### **2.1 Classification of the substance or mixture**

**Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

**Reproductive toxicity: Category 1B**  
**H360D** May damage the unborn child.

**Acute toxicity: Category 4**  
**H302** Harmful if swallowed.

**Chronic aquatic toxicity: Category 3**  
**H412** Harmful to aquatic life with long lasting effects.

#### **2.2 Label elements**

**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

**Hazard label for supply/use required.**

**Hazardous components which must be listed on the label:**

- Coumatetralyl



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**Signal word:** Danger

**Hazard statements**

H360D May damage the unborn child.  
H302 Harmful if swallowed.  
H412 Harmful to aquatic life with long lasting effects.  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
Restricted to professional users.

**Precautionary statements**

P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.  
P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

**2.3 Other hazards**

Because of antivitamin K properties of the active ingredient, absorption can inhibit blood coagulation and cause haemorrhagic syndrome.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

**Chemical nature**

Bait (ready for use) (RB)  
Coumatetralyl 0.0375 % w/w

**Hazardous components**

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. / EC-No. / REACH Reg. No.	Classification	Conc. [%]
		REGULATION (EC) No 1272/2008	
Coumatetralyl	5836-29-3 227-424-0	Acute Tox. 1, H330 Acute Tox. 2, H300 Acute Tox. 2, H310 STOT RE 1, H372 Aquatic Chronic 3, H412	0.0375
Sucrose	57-50-1 200-334-9 01-2119491293-35-xxxx	Not classified	> 1.00

**Further information**

For the full text of the H-Statements mentioned in this Section, see Section 16.



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**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

<b>General advice</b>	Move out of dangerous area. When symptoms develop and persist, seek medical advice. Place and transport victim in stable position (lying sideways).
<b>Skin contact</b>	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

**4.2 Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	If large amounts are ingested, the following symptoms may occur: State of shock, Nose bleeding, Bloody vomiting, Abdominal pain, Back pain Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).
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**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Risks</b>	Because of antivitamin K properties of the active ingredient, absorption can inhibit blood coagulation and cause haemorrhagic syndrome.
<b>Treatment</b>	Treat symptomatically. Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Monitor: blood picture. Monitor: prothrombin time/ INR.

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

<b>Suitable</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable</b>	High volume water jet



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<b>5.2 Special hazards arising from the substance or mixture</b>	Dangerous gases are evolved in the event of a fire.
<b>5.3 Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

### **6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up** Use mechanical handling equipment. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

**Additional advice** Check also for any local site procedures.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Advice on protection against fire and explosion** Keep away from heat and sources of ignition.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

### **7.2 Conditions for safe storage, including any incompatibilities**



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**Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Keep away from direct sunlight. Do not store at a temperature above 40 °C.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end use(s)** Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Coumatetralyl	5836-29-3	0.01 mg/m3 (TWA)		OES BCS*
Sucrose	57-50-1	10 mg/m3 (TWA)	12 2011	EH40 WEL
Sucrose	57-50-1	20 mg/m3 (STEL)	12 2011	EH40 WEL

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

**8.2 Exposure controls**

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.  
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

**Hand protection**

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with EN 374.



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<b>Eye protection</b>	Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
<b>Skin and body protection</b>	Wear standard coveralls and Category 3 Type 5 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Form</b>	paste
<b>Colour</b>	blue
<b>Odour</b>	weak, characteristic
<b>Melting point/range</b>	> 200 °C
<b>Flammability (solid, gas)</b>	The product is not highly flammable.
<b>Ignition temperature</b>	425 °C
<b>Auto-ignition temperature</b>	ca. 207 °C
<b>Density</b>	ca. 1.19 g/cm <sup>3</sup> at 20 °C
<b>Water solubility</b>	Not dispersible
<b>Partition coefficient: n-octanol/water</b>	Coumatetralyl: log Pow: 1.5 at 20 °C at pH 7
<b>Impact sensitivity</b>	Not impact sensitive.
<b>Burning number</b>	CN3 Local combustion without spreading at 20 °C
<b>Oxidizing properties</b>	No oxidizing properties
<b>Explosivity</b>	Not explosive
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

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**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity****Thermal decomposition** from 110 °C**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.



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- 10.4 Conditions to avoid** Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials** Store only in the original container.
- 10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute oral toxicity** LD50 (Rat) 1,000 mg/kg

**Acute inhalation toxicity**

During intended and foreseen applications, no respirable aerosol is formed.

**Acute dermal toxicity** LD50 (Rat) > 4,000 mg/kg

**Skin irritation** No skin irritation (Rabbit)

**Eye irritation** No eye irritation (Rabbit)

**Sensitisation** Non-sensitizing. (Mouse)  
OECD Test Guideline 429, local lymph node assay (LLNA)

**Assessment STOT Specific target organ toxicity – single exposure**

Coumatetralyl: Based on available data, the classification criteria are not met.

**Assessment STOT Specific target organ toxicity – repeated exposure**

Coumatetralyl caused inhibition of blood coagulation possibly causing hemorrhagic syndrome in animal studies. The toxic effects of Coumatetralyl are related to antivitamin K properties.

**Assessment mutagenicity**

Coumatetralyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment carcinogenicity**

Coumatetralyl is not considered carcinogenic.

**Assessment toxicity to reproduction**

Coumatetralyl is not considered a reproductive toxicant at non-maternally toxic dose levels.

**Assessment developmental toxicity**

Coumatetralyl: May damage the unborn child.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

---

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Toxicity to fish** LC50 (Oncorhynchus mykiss (rainbow trout)) 53 mg/l  
Exposure time: 96 h



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**Toxicity to aquatic invertebrates** The value mentioned relates to the active ingredient.  
EC50 (Daphnia magna (Water flea)) > 14 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient.

**Toxicity to aquatic plants** IC50 (Desmodesmus subspicatus (green algae)) > 18 mg/l  
Growth rate; Exposure time: 96 h  
The value mentioned relates to the active ingredient.

**12.2 Persistence and degradability**

**Biodegradability** Coumatetralyl: < 60 %,  
Not readily biodegradable.

**Koc** Coumatetralyl: Koc: 258

**12.3 Bioaccumulative potential**

**Bioaccumulation** Coumatetralyl: Bioconcentration factor (BCF) 11.4  
Does not bioaccumulate.

**12.4 Mobility in soil**

**Mobility in soil** Coumatetralyl: Moderately mobile in soils

**12.5 Results of PBT and vPvB assessment**

**PBT and vPvB assessment** Coumatetralyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects**

**Additional ecological information** No other effects to be mentioned.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product** In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging** Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.  
Add washings to sprayer at time of filling.  
Dispose of empty and cleaned packaging safely.  
Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.  
Return large containers to supplier.  
Follow advice on product label and/or leaflet.

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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**Waste key for the unused product** 06 13 01\* Inorganic plant protection products, wood-preserving agents and other biocides

### SECTION 14: TRANSPORT INFORMATION

According to ADN/ADR/UK 'Carriage' Regulations/RID/IMDG/IATA not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

14.1 – 14.5 Not applicable.

#### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

##### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

##### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

##### Waste Treatment

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991



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Anti-Pollution Works Regulations 1999

### **Further information**

WHO-classification: III (Slightly hazardous)

### **15.2 Chemical safety assessment**

A chemical safety assessment is not required.

## **SECTION 16: OTHER INFORMATION**

### **Text of the hazard statements mentioned in Section 3**

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H372	Causes damage to organs (Blood) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Ready to use 'Baits' are insecticides packaged in plastic, tamper proof containers.

### **Abbreviations and acronyms**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EH40 WEL	Worker Exposure Limit
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

**SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006



**RACUMIN PASTE**

Version 6 / GB  
102000007452

11/11  
Revision Date: 09.10.2017  
Print Date: 18.10.2017

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

# TOMCAT ALL-WEATHER BLOX

<b>SAFETY DATA SHEET</b>	<b>ACCORDING TO REGULATION</b> EC: 1907/2006	<b>DATE OF ISSUE:</b> 30 April 2009	<b>PREPARED BY:</b> TH
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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT NAME:**

**TOMCAT ALL-WEATHER BLOX**

<b>USE:</b> Anticoagulant Rodenticide	<b>MANUFACTURER/IMPORTER:</b> Bell Laboratories, Inc. 3699 Kinsman Blvd. Madison, WI 53704 USA email: <a href="mailto:registration@belllabs.com">registration@belllabs.com</a> <b>Registrant:</b> MC Pharma (Pty) Ltd P.O. BOX 336 Wierda Park, 0149 Pretoria, SOUTH AFRICA	<b>EMERGENCY PHONE NO.:</b> 1-877-854-2494 (United States/Canada) +27 (012) 688 1047 (MC Pharma)
<b>FORM:</b> Formulated Dry Bait		

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**PRIMARY ROUTES OF ENTRY:** Ingestion.

## 3. HAZARD IDENTIFICATION

<b>COMPOSITION:</b> Bromadiolone [3-[3-(4'-Bromo-[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one]	<b>% BY WEIGHT:</b> 0.005 %	<b>CAS NO.:</b> 28772-56-7	<b>EC NO.:</b> Not Established
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## 4. FIRST AID MEASURES

**EYE CONTACT:** Flush with cool water for at least 15 minutes. If irritation develops, obtain medical assistance.

**SKIN CONTACT:** Wash with soap and water. If irritation develops, obtain medical assistance.

**INHALATION:** None

**INGESTION:** Call physician or emergency number immediately. Do not give anything by mouth or induce vomiting unless instructed by physician.

**SYMPTOMS:** Ingestion of excessive quantities may cause nausea, vomiting, loss of appetite, extreme thirst, lethargy, diarrhea, bleeding.

**ADVICE TO PHYSICIAN:** If ingested, administer Vitamin K<sub>1</sub> intramuscularly or orally as indicated by bishydroxycoumarin overdoses. Repeat as necessary as based upon monitoring of prothrombin times.

## 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Extinguish with water, foam or inert gas.

**MEASURES UNSUITABLE FOR SAFETY REASONS:** None

**PROTECTIVE EQUIPMENT:** Firefighters should be equipped with protective clothing and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** Gloves should be worn during clean up.

**ENVIRONMENTAL PROTECTION:** Avoid entry to watercourses.

**CLEAN UP AND DISPOSAL:** Sweep up spilled material, place in properly labeled container for disposal or re-use. Dispose of all wastes in accordance with all local, regional and national regulations.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep product in the original container. Do not handle the product near food, animal foodstuffs or drinking water. Keep out of reach of children. Do not use near heat sources, open flame, or hot surfaces. Wash thoroughly with soap and water after handling.

**STORAGE:** Store in a cool, dry place inaccessible to children, pets and wildlife. Keep container tightly closed when not in use. Avoid contamination of lakes, streams and ponds by use, storage and disposal.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>SPECIAL PROTECTIVE EQUIPMENT:</b> Not Required	<b>VENTILATION:</b> Not required	<b>RESPIRATOR TYPE:</b> Not required
<b>SKIN PROTECTION:</b> Rubber gloves (recommended)	<b>EYE PROTECTION:</b> Not required	<b>HYGIENE RECOMMENDATIONS:</b> Wash thoroughly with soap and water after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b> Blue blocks with sweet grain-like odor.	<b>BOILING POINT:</b> N/A	<b>MELTING POINT:</b> N/A	<b>FREEZING POINT:</b> N/A
<b>FLASH POINT:</b> N/A	<b>DENSITY:</b> N/A	<b>VAPOR PRESSURE:</b> N/A	<b>SOLUBILITY:</b> N/A

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable if stored in original container in a cool, dry location

**INCOMPATIBILITY/CONDITIONS TO AVOID:** Strongly alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

<b>LD50, ORAL (INGESTION):</b> >5000 mg/kg (rats)	<b>LD50, DERMAL (SKIN CONTACT):</b> > 5001 mg/kg (rats)	<b>LC50, INHALATION:</b> N/A
<b>EYE IRRITATION:</b> None (rabbits)	<b>SKIN IRRITATION:</b> None (rabbits)	<b>DERMAL SENSITIZATION:</b> Not Considered a Sensitizer

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL BEHAVIOR:** Solid, non-volatile. Material is essentially insoluble in water.

**ENVIRONMENTAL TOXICOLOGY:** Prevent access to non-target mammals and birds.

**EFFECTS ON WASTEWATER TREATMENT:** Unlikely to have any effect on wastewater treatment.

## 13. DISPOSAL

**WASTE DISPOSAL METHOD:** Wastes resulting from use may be disposed of on-site or at an approved waste disposal facility. Dispose of all wastes in accordance with all local, state and national regulations.

## 14. TRANSPORT INFORMATION

<b>CLASSIFICATION:</b> Not regulated or not classified as dangerous by DOT (USA), IATA (Air), or IMDG (Vessel).	<b>SHIPPING NAME:</b> Rodenticide containing Bromadiolone.
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## 15. REGULATORY INFORMATION

**CLASSIFICATION:** Not classified as Dangerous for supply/use.

## 16. OTHER INFORMATIONS

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Bell Laboratories, Inc. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all current data relevant to their particular use.



**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

**Coopex<sup>®</sup>**

**INSECTICIDAL DUSTING POWDER  
INDUSTRIAL STRENGTH**

**Active Constituent: 10 g/kg PERMETHRIN 25:75**

**GROUP 3A INSECTICIDE**

**For the control of various insect pests in domestic and industrial situations as per the  
DIRECTIONS FOR USE table**

### **GENERAL INSTRUCTIONS**

#### **Insecticide Resistance Warning**

For insecticide resistance management, Coopex Insecticidal Dusting Powder Insecticide is a Group **3A** insecticide. Some naturally occurring insect biotypes resistant to Coopex Insecticidal Dusting Powder and other Group **3A** insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the local insect population if Coopex Insecticidal Dusting Powder or other Group **3A** insecticides are used repeatedly. The effectiveness of Coopex Insecticidal Dusting Powder on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Coopex Insecticidal Dusting Powder to control resistant insects.

For information about strategies for managing insecticide resistance contact your local supplier or Bayer Environmental Science representative.

#### **Application**

Coopex Insecticidal Dusting Powder is ready to use; no further diluent should be added. Leave powder undisturbed for as long as possible after application.

### **PRECAUTIONS**

Avoid contact with food, food utensils, or places where food is prepared or stored. Before use, remove or cover all exposed foodstuffs. Cover all dishes and utensils, and places where food is prepared or stored. Do not apply dust directly on humans. Remove or cover fish bowls during treatment.

### **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish and other aquatic organisms. **DO NOT** contaminate streams, rivers or waterways with the chemical or used containers. Dangerous to bees and reptiles.

### **STORAGE AND DISPOSAL**

Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse container before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### **SAFETY DIRECTIONS**

Will irritate the eyes. Avoid contact with eyes. Do not inhale dust. When opening the container and using the product wear rubber gloves, disposable dust mask. Wash hands after use. After each days use wash gloves and contaminated clothing.

### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (phone 13 11 26).

### **MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet.

### **EXCLUSION OF LIABILITY**

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

## Coopex Insecticidal Dusting Powder

Coopex® is a Registered Trademark of Bayer

NRA Approval No.: 33210/0103

FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111

### DIRECTIONS FOR USE

SITUATION	PEST	RATE	CRITICAL COMMENTS
Domestic, institutional and industrial premises - food preparation and storage areas and living and sleeping areas	Cockroaches, silverfish	10 g/m <sup>2</sup> applied with a powder duster	Blow powder into all cracks and crevices. Pay particular attention to warm, dark corners around cookers, fireplaces, radiators, stores, pipes, rubbish chutes and places where liquid sprays may not be used.
	Ants		Sprinkle the powder along runs, on and around nests. If ants are invading domestic premises, apply powder to the routes by which they enter. Repeat as necessary.
	Fleas and carpet beetles		Dust powder over floor, brushing into carpet pile and blowing into areas where larvae are found.
	Bedbugs		Apply powder to bedsteads, bedsprings, mattresses, floor coverings, upholstered furniture, cracks in walls, behind torn wallpaper, joints in woodwork and other cracks and crevices that may provide harbourages.
Roof voids, wall and floor voids, crawl spaces.	Spiders, cockroaches, silverfish, ants, carpet beetles and fleas.	125 to 250 g per nest	Apply dust into all void areas. Ensure all surfaces are treated. Repeat as necessary if re-infestation occurs.
	Bird mites ( <i>Ornithonyssus</i> spp)		Cover roof void area, paying particular attention to areas where there is evidence of bird nests. Remove nests, and bird-proof roof voids to prevent recurrence.
Skin and hide preparation	Hide beetles ( <i>Dermestes ater</i> )		a) Place skins on drying racks and apply dust using a manual or motorised duster. b) Dust exposed edges of dried, baled skins.
Mushroom beds	Mushroom sciarid flies		Dust mushroom beds no more frequently than twice a week to control adult and larval flies. Discontinue dusting when mushrooms reach the size of a 10 cent piece.
Large wasp nests	European wasps	125 to 250 g per nest	Using hand duster apply powder through entrance holes (125 - 250 g per nest depending on size of nest and number of entrance holes). Treat at night whenever possible to avoid being stung. Operators should wear clothing protective against the insects including long-sleeved overalls buttoned at wrist and throat, gloves, hat and bee-veil.
Bee nests in wall cavities	Feral honey bee		
Seed potatoes	Potato moth ( <i>Phthorimaea operculella</i> )	600 g per tonne or 30 g per 50 kg bag of seed potatoes	Dust thoroughly immediately after harvest while filling storage containers. Treated seed potatoes are to be used only for sowing. Do not use for food or feed purposes. Treated seed potatoes should be stored apart from other potatoes and bags or containers should be clearly marked to indicate that the contents have been treated.
Trees and stumps in urban areas	Subterranean termites ( <i>Coptotermes</i> spp)	250 g per tree	Upon locating nest in tree or stump, drill 3 holes with a maximum diameter of 12 mm. Apply dust directly to the nest using a carbon dioxide gas cylinder and a trigger gun. After treatment, holes should be coated carefully with a fungicide, eg copper naphthenate, and sealed with an appropriate caulking compound.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

### WITHHOLDING PERIOD

**Mushrooms: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.**

# ALPHATHRIN

Reg. No. L 7850 Act / Wet No. 38 cfr/wan 1947  
IRAC INSECTICIDE GROUP CODE / IRAC INSEKTOEDERGROEP CODE: 3

ACTIVE INGREDIENT / AKTIEVE BESTANDDEEL:

Alpha-cypermethrin (pyrethroid) / alfa-sipmermetrien (piretrotied)..... 100 g/g

Registration holder / Registrasiehouer:  
TSUNAMI PLANT PROTECTION (PTY) LTD  
Co. Reg. No. / Noy. Reg. Nr.: 2004/020524/07  
P.O. Box / Posbus 466, HEIDELBERG, 1438, TEL: (011) 812 9800



HARMFUL

SKADELIK

## WARNINGS:

- Handle with care.
- Harmful when swallowed.
- Irritating to eyes and skin.
- Very toxic to fish and bees.
- If used as directed, not significantly hazardous to bees, various other beneficial pest parasites and predators and fish under-field conditions.
- Store in a cool dry place and away from food and feedstuffs.
- Do not apply to surfaces where food is handled.
- Keep under lock and key, out of reach of children, uninformed persons and animals.
- In case of poisoning call a doctor and make the label available to him/her.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, incompatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## PRECAUTIONS:

- Avoid eye and skin contact.
- Avoid inhalation of spray mist.
- Wear protective clothing, overall, rubber gloves and face shield.
- Wash with soap and water after use or after accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
- Prevent contamination of food, feedstuffs, eating utensils and drinking water.
- Remove pets and aquaria or cover aquaria.
- Thoroughly wash and rinse the spray equipment / containers / basins after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- TRIPLE RINSE empty container: In the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add these rinsings to the contents of the spray tank.
- Destroy empty container by perforation and flattening.
- Never re-use the empty container for any other purpose.

## SYMPTOMS OF HUMAN POISONING:

May cause burning, itching or tingling sensations of the skin and readily disappear. Inhalation may cause nasal discharge, a scratchy throat, hypersensitivity, ataxia and urinary incontinence. Symptoms of high-dose ingestion may include dizziness, headaches, nausea, prolonged vomiting, stomach pains, diarrhoea, fatigue, hypersensitivity, ataxia and urinary incontinence.

## FIRST AID TREATMENT:

Remove patient from source of poisoning and keep him quiet and reassured.  
Eye contact: Flush eyes with clean gentle flowing water for at least 20 minutes, occasionally holding the eyelid(s) open. If irritation persists, obtain medical attention.  
Skin contact: Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin. Apply olive oil to affected areas for prompt relief. Get medical attention if irritation persists.  
Inhalation: Move the patient to fresh air. If breathing difficulty or irritation occurs and persists, obtain medical attention.  
Ingestion: Do not induce vomiting. If the patient is alert, have the mouth thoroughly rinsed with water and give 1 to 2 glasses of water to drink. Do not give anything by mouth to unconscious person. Obtain medical attention immediately.

## NOTE TO PHYSICIAN:

There is no specific antidote available.  
This product contains a pyrethroid. The stomach should be emptied as soon as possible by careful gastric lavage. Inducing vomiting to remove this preparation from the stomach can increase the risk of chemical pneumonitis and pulmonary edema due to aspiration of stomach contents. Treat symptomatically and supportively.  
Treat discomfort due to irritation symptomatically.

## DIRECTIONS FOR USE: USE ONLY AS DIRECTED

### Compatibility:

Do not mix ALPHATHRIN with any other chemical.

### Mixing Instructions for spraying:

- Half fill the sprayer with clean water.
- Measure the required volume of ALPHATHRIN and pre-mix this with a small amount of clean water.
- Add this mixture to the water in the sprayer.
- Fill the sprayer with water to the required level and shake the sprayer well to ensure proper mixing or ensure continual mechanical or hydraulic agitation before spraying commences.
- Prepared spray mixture must not be left in the spray tank for any length of time e.g. overnight.

### General directions:

ALPHATHRIN is a long lasting suspension concentrate contact and stomach insecticide for the control of flies, cockroaches, bedbugs, fleas, fish mollus, mosquitoes and ants.

The residual control depends on:

- the insect species being treated,
- the level of infestation,
- the type or surface treated,
- whether the treatment is applied indoors or outdoors and
- exposure to sunlight and weather conditions.

ALPHATHRIN spray mixture can be used indoors or outdoors, in and around homes, factories, hotels, shops, food handling and processing establishments, hospitals, schools, dairy parlours, piggeries, stables, poultry houses, dog kennels, refuse dumps and similar places where high levels of hygiene are required.

All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to ensure the desired coverage for that particular method of application.

## DOSAGE RATES:

PEST:	DOSAGE:	DIRECTIONS FOR APPLICATION:
DOMESTIC AND PUBLIC HEALTH: Adult house & stable flies Ants Bedbugs Cockroaches (American & German) Fish moths Fleas	25 - 50 ml/10 l water	Apply as a coarse spray or with a paintbrush to cracks, crevices and any place where these insect may hide and on surfaces over which they may crawl or settle. Apply to point of run-off. Use higher dose rate for longer lasting control or where infestation is severe. Repeat if necessary.

# ALPHATHRIN

Reg. No. L 7850 Act / Wet No. 38 of van 1947  
IRAC INSECTICIDE GROUP CODE / IRAC INSEKTOEDERGRUP KODE: 3

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:

Alpha-cypermethrin (pyrethroid) / Alfa-sipermetriën (piretroïed)..... 100 g/g

Registration holder / Registrasiehouer:

TSUNAMI PLANT PROTECTION (PTY) LTD

Co. Reg. No. / Mpy. Reg. Nr.: 2004/020524/07

P.O. Box / Postbus 466, HEIDELBERG, 1438. TEL: (011) 812 9800



HARMFUL

SKADELIK

## WAARSKUWINGS:

- Hanteer versigtig.
- Standaard indien ingestuk.
- Verorsaak oog- en velirritasie.
- Bale giftig vir visse en bye.
- Indien gebruik soos voorgeskryf, nie beduidend nadelig vir bye, verskillende ander nuttige plaagparasiete en -predatore en vis onder valdiestande nie.
- Stoor in 'n koel, droë plek en weg van voedsel en voer.
- Moet nie op oppervlakte waar voedsel hanteer word, toedien nie.
- Hou agter slot en grendel, buite bereik van kinders, ontergelige persone en diere.
- In geval van vergiftiging, ontbied 'n mediese dokter en maak hierdie etiket aan hom/haar beskikbaar.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale uitlaats- en bergings toestande, kwaliteit van verdunningswater, onverenigbaarheid met ander stowwe wat op die etiket aangedui is nie en die voorkoms van weerstand van die plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikhed vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versium van die gebruik of elkkataanwysings na te kom of as gevolg van die omsaais van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

## VOORSORGMATREËLS:

- Voorloop kontak met die oë en vel.
- Voorloop insameling van die spuitnevel.
- Dra beskermende klere: oorpak, rubber handskoene en gesigskerm.
- Was met water en seep na gebruik of toevallige velkontak.
- Was besoedelde klere na gebruik.
- Moet nie eet, drink of rook gedurende vermenigvuldiging of bespuiting of voordat hande en gesig gewas is en skoon klere aangegetrek het nie.
- Voorloop besoedeling van voedsel, voer, drinkwater en seigerel.
- Verwyder troeseldiere en visstene of bedek visstene.
- Was en spoel spuitapparaat / houers / emmers, deeglik uit ná gebruik en doen weg met waswater op so 'n manier dat dit nie gewasse, welding, riviere of damme sal besoedel nie.
- Die lê hou moet DRIEKEER UITGESPOEL word soos volg: Keer die lê houer om oor die spuitnek of meringbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrupte vorminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi hierdie spoelwater by die inhoud van die spuitnek.
- Vernietig lê houer deur gate daarin te slaan en plat te druk.
- Moet nie die lê houer vir enige ander doel hergebruik nie.

## SIMPTOME VAN MENSLIKE VERGIFTIGING:

Kan branderigheid, jeuk of tintelende sensasie van die vel veroorsaak en gereeldlike verdwyn. Inasemring mag loopneus, krappertige keel, hipersensitiwiteit, spierstooms en urine onbeheersheid. Simptome van hoë dosis inname sluit in duiseligheid, hoofpyn, narsigheid, aanhoudende braking, maagpyn, diarree, moegheid, hipersensitiwiteit, spierstooms en urine onbeheersheid.

## NOODHULPBEHANDELING:

Verwyder gekontamineerde klere en spoel geaffekteerde liggaamsdele deeglik met onvetsige seep en koue water af. Moet nie val hard vyf mediese hulp.  
Voorloop die pasiënt van bron van vergiftiging en hou hom rusig en kalm.  
Oogkontak: Spoel oë met skoon sagvloeende water, vir ten minste 20 minute tenwyl ooggelde gereeld ooggemaak word. Indien iritasie voortduur, ontbied mediese hulp.  
Velkontak: Verwyder gekontamineerde klere en spoel geaffekteerde areas vir onmiddellike verligting. Ontbied mediese hulp indien iritasie voortduur.  
Ingeaam: Neem pasiënt na vers lug. Indien asemhalingsprobleme, of intasie voorkom en voortduur, ontbied mediese hulp.  
Ingestuk: Moet nie braking veroorsaak nie. Indien die pasiënt wakker is, spoel mond deeglik met water uit en gee 1 tot 2 glase water om te drink. Moet nie iets per mond vir 'n bewustelose persoon gee nie. Ontbied mediese hulp onmiddellik.

## NOTA AAN GENEESHEER:

Geen spesifieke teermiddel is beskikbaar nie.  
Die produk bevat 'n piretroïed. Maak die maag leeg so spoedig moontlik met behulp van versigtige maagspoeling. Deur braking te induseer om hierdie middel uit maag te verwyder, kan die risiko vir chemiese inflammasie van tonge en long oedema verhoed, as gevolg van aspirasie van die maaginhoud. Behandel simptome en ondersteunend.  
Behandel ongemak as gevolg van iritasie, simptome.

## GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

Verenigbaarheids:  
Moet nie enige ander produk met ALPHATHRIN meng nie.

## Menginstruksies vir bespuiting:

- Maak die spuitnek halfvol met skoon water.
- Maak die benodigde hoeveelheid ALPHATHRIN af en meng dit vooraf met 'n klein hoeveelheid skoon water.
- Voeg hierdie mengsel by die water in die spuitnek.
- Vol die spuitnek met water tot by die verlangde vlak en skud die spuitnek goed om te verseker dat die spulmengsel behoorlik gemeng is, of verseker dat aantrekkende mengelies of hidroulase vermenigvuldiging toegepas is, alvorens daar begin word met bespuiting.
- Aangemaakte spulmengsel moenie in die spuitnek geëet word vir 'n onbepaalde tyd, bv. oornag, nie.

## Algemene aanwysings:

ALPHATHRIN is 'n suspensie konsentraat kontak- en maagsekododer met 'n lang nawerkende aksie vir die beheer van vlieë, katkenakke, weelulse, vloete, vismotte, muskiete en miere.  
Die tydperk van beheer word beïnvloed deur:

- die inskopsie wat behandel moet word,
- die vlak van infestasie,
- die tipe oppervlak wat behandel word,
- of die bespuiting binne- of buitehuis gedoen word en
- bootstelling aan sonlig en algemene weersomstandighede.

'n Spulmengsel van ALPHATHRIN kan derhalwe gespuut word buite- of binne wotings, fabriekke, hotelle, winkels, geboue waar voedsel verwerk word, hospitale, skole, melkerie, varkhouke, perdestalle, hoender- en hondskepe en sportvelde plekke waar 'n hoë mate van higiëne vereis word. Alle bespuitings moet met geskikte toerusting, wat in 'n goeie werkende toestand is en korrek gekalibreer is, toegedien word, om te verseker die gewenste beskikking word verkry vir daardie spesifieke metode van toediening.

## DOSISSE

PLAAG:	DOSIS:	TOEDIENINGSVOORSKRIFTE:
OPENBARE GESONDHEID: Volwasse Huisvlieë Perdevlieë Miere Weelulse Kattkerfakke (Amerikaanse en Duitse) Vismotte Vloete	25 - 50 ml/10 l water	Wend as 'n growwe bespuiting aan of dien toe met 'n kwas aan krake, holkes en enige plek waar insekte mag wegroei of op oppervlakte waaroor Insekte mag beweeg of op gaan af. Dien toe punt van anloop toe. Gebruik die hoër dosis onder hoë infestasiedruk of waar langer periodes van beheer tussen toedienings vertoeg word. Herhaal indien nodig.

SHAKE THE BOTTLE WELL BEFORE USE.

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



ALPHA-THRIN PEST KILL

Reg. No. L 9441 Act/Wet No. 36 of/van 1947  
N-AR 1484

2: 25/02/2014 – April 2017

*A suspension concentrate contact and stomach insecticide for the control of  
pests in and around houses, hotels, hostels, restaurants, kitchens, etc.*

*'n Suspensie konsentraat kontak- en maaginskdoder vir die beheer van plaë in  
en om huise, hotelle, koshuise, restaurante, kombuise ens.*

**ACTIVE INGREDIENT / AKTIEWE BESTANDEEL**

alpha-cypermethrin (pyrethroid) 100 g/l alfa-sipermetrien (piretroïed)

IRAC INSECTICIDE GROUP CODE **3** IRAC INSEKODER GROEPKODE



Registration holder / Registrasiehouer:  
Villa Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07  
PO Box / Posbus 10413, Aston Manor, 1630  
Tel: 011 396 2233

Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

**24 HR EMERGENCY NUMBER:**

**Griffon Poison Information Centre: 082 446 8946**  
**Namibia: +264 61 299 9924**  
**+264 61 211 111**

UN Number: 3352

Willow Set & Print 011 394-4486



CAUTION  
VERSIGTIG



GEBRUIKSAANWYSINGS INGESLUIT

Date formulated: **VERWYS NA BESONDERHEDE**  
Formuleringsdatum: **GEDRUK OP HOUER/SAK**

DIRECTIONS FOR USE ENCLOSED

Batch number: **REFER TO DETAILS PRINTED**  
Lotnummer: **ON CONTAINER/BAG**

**ALPHA-THRIN PEST KILL**

Reg. No. L 9441 / N-AR 1484 Act/Wet No. 36 of/van 1947

IRAC INSECTICIDE GROUP CODE / IRAC INSEKODODER GROEPKODE: 3

**ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:**

alpha-cypermethrin (pyrethroid) / alfa-sipermetrien (piretroïed) ..... 100 g/l

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION (PTY) LTD**

Co. Reg. No.: 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413, ASTON MANOR, 1630,

TEL.: (011) 396 2233.

**CAUTION / VERSIGTIG****WARNINGS**

- Handle with care
- Harmful when swallowed, inhaled or absorbed through the skin.
- Slightly irritating to the skin, moderately irritating to the eyes.
- Toxic to fish and wildlife.
- Do not spray directly onto food.
- Store away in the original box under lock and key in a cool, dry place away from food, feeds and drinking water.
- Keep out of reach of children, uninformed persons and animals.
- Do not apply to surfaces where food is prepared or handled.
- Allow spray to dry on treated surfaces before re-entering.
- **In case of poisoning call a doctor and make this label available to him/her.**

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, the occurrence of resistance of the pest against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

**PRECAUTIONS**

- Avoid eye and skin contact.
- Wear protective clothing (overalls with long sleeves), gloves, mask that covers nose and mouth and face shield when applying pesticide indoors. Avoid contact with spray as much as possible.
- Wash with water in the event of accidental eye contact.
- Wash with soap and water after use or in the event of accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst handling this product or before washing hands and face and change of clothing.
- Avoid spray drift onto fishponds and fish tanks/bowls.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Mattresses, bedding and furniture must be completely dry before using.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes and fishponds.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- **Re-entry:** Do not enter treated area within 1 hour after treatment unless wearing protective clothing.

**RESISTANCE WARNING**

**ALPHA-THRIN PEST KILL** is a group code 3 insecticide. Any insect population may contain individuals naturally resistant to **ALPHA-THRIN PEST KILL** and other group code 3 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **ALPHA-THRIN PEST KILL** or any other group code 3 insecticides.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide group codes,
- integrate other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

**DIRECTIONS FOR USE: Use only as directed.****Mixing instructions:**

- **Shake the ALPHA-THRIN PEST KILL container well before use.**
- Half fill the spray tank with clean water and add the required amount of **ALPHA-THRIN PEST KILL**.
- Fill the spray tank with water to the required level while maintaining agitation.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

**Product information:**

- **ALPHA-THRIN PEST KILL** is a suspension concentrate contact and stomach insecticide that can be used for general public health (e.g. mosquitoes, flies, cockroaches, bedbugs, fleas, fish moths, ants, hide and skin beetles and larvae and litter beetle and larvae).
- **ALPHA-THRIN PEST KILL** may be used as a spot or crack and crevice treatment for the control of above pests around buildings and houses, commercial, public and industrial premises.
- Apply to walls, floors and other areas frequented by pests.
- Application rate is dependent on level of infestation and species to be controlled.

**Application:**

- Apply immediately after mixing and ensure that non-target areas are not contaminated.
- Avoid fine droplets or spray mist, especially when applied indoors.

**APPLICATION RATES**

<b>Pests</b>	<b>Dosage rate</b>	<b>Remarks and pests controlled</b>
<b>General public health</b> Ants Bedbugs Cockroaches (American & German) Fish moths Fleas House flies (adults) Stable flies (adults)	2.5 to 5.0 ml / 1 l water  <b>OR</b>  (25 to 50 ml / 10 l water)	<ul style="list-style-type: none"> <li>• Apply to cracks, crevices and other frequented areas where these insects may hide and on surfaces over which they may crawl or settle.</li> <li>• Apply to point of run-off as a coarse spray or with a paintbrush to cracks.</li> <li>• Use higher dose rate for longer lasting control or under high infestation pressure. Reapply if required.</li> </ul>
<b>Hide and skin beetles</b> Larvae & adult beetles	20 ml / 10 l water	<b>Hides and skins:</b> Wet all parts completely. Reapply every 3 months or as required. <b>Warehouse floors, walls and other surfaces:</b> Apply spray mixture to the point of run-off. Reapply every 3 months or as required.

Pests	Dosage rate	Remarks and pests controlled
<b>Mosquitoes and Malaria vector control</b>	<b>IMPORTANT</b> Refer to “ <b>SPECIFIC NOTES</b> ” below regarding period of control.  The highest dosage rates (100 ml per 10 litres water) will provide control for several months indoors, but only 4 to 6 weeks at the lower dosage rate. Refer to <b>SPECIFIC NOTES</b> below to regarding period of control.	
		25 to 50 ml / 10 l water (12 to 25.5 mg a.i. / m <sup>2</sup> )
	100 ml / 10 l water (50 mg a.i. / m <sup>2</sup> )	<b>Malaria vector - surface treatments</b> Apply this dosage rate where treatments can only be done once or twice during the October to May malaria infection period. Apply as a coarse surface spray on coarse surfaces (clay and brick internal and external walls, roofs and ceilings, e.g. thatched). Spray to the point of runoff by using 50 ml spray mixture per m <sup>2</sup> . Where applications are done on smooth surfaces (e.g. glass and wood indoors or outdoors), apply as a coarse spray to the point of run-off by using 25 ml spray mixture per m <sup>2</sup> by mixing 200 ml of <b>ALPHA-THRIN PEST KILL</b> with 10 litres water. This will also result in applying 50 mg a.i. per m <sup>2</sup> .
	20 mg a.i. / m <sup>2</sup>  <b>OR</b>  40 mg / a.i./ m <sup>2</sup>	<b>Bed-net treatment</b> Mix the required volume <b>ALPHA-THRIN PEST KILL</b> with enough water to wet a bed-net. Soak the net in the mixture until it is thoroughly wet. Use the higher rate for longer period of control. For dosage rate of <b>ALPHA-THRIN PEST KILL</b> refer to “ <b>SPECIFIC NOTES</b> ” below.
<b>Poultry sheds</b> Lesser Mealworm / Litter beetle ( <i>Alphitobius diaperinus</i> )	25 to 50 ml / 10 l water	<b>IMPORTANT</b> Refer to “ <b>SPECIFIC NOTES</b> ” below. Apply as a coarse spray to the interior surfaces of the sheds. Ensure thorough wetting of the floors, walls and other surfaces. Repeat if necessary. Use the higher dose rate for longer lasting control or where infestation is severe.

### **SPECIFIC NOTES**

#### **1. Period of control:**

Depending on dosage rate, months of control can be expected indoors and on bed-nets, and several weeks outdoors under favourable conditions. However, the following factors generally determine the period of control obtained:

- the insect species being treated,
- infestation pressure,
- the type of surface or fabric,
- whether the treatment is applied indoors or outdoors and
- exposure to sunlight and weather conditions and.



## 2. Mosquito / malaria vector control:

### Surface sprays:

- Apply with a sprayer equipped with a nozzle that will deliver coarse droplets at a low pressure. Avoid spraying at high pressures that will produce a spray mist.
- Ensure complete coverage of all surfaces. All cracks, crevices and potential hiding places where mosquitoes may seek shelter must receive special attention.

### Bed-nets:

- Bed-nets treated with **ALPHA-THRIN PEST KILL** will not be stained or have an odour after treatment and will not be more flammable.
- Wash and dry nets before treatment (new nets may be starched and need be washed first to remove the starch). All traces of soap must be rinsed out after washing and before treatment with **ALPHA-THRIN PEST KILL** (alkaline soap residues affect the persistence of the active ingredient adversely).
- The quantity of **ALPHA-THRIN PEST KILL** required per bed-net depends the period of control required, as well as the surface area of the net.

<i>Period of control required (dosage active ingredient)</i>	<i>Single bed-net (±12 m<sup>2</sup>)</i>	<i>Double bed-net (±16 m<sup>2</sup>)</i>	<i>Queen size bed-net (±20 m<sup>2</sup>)</i>	<i>King size bed-net (±24 m<sup>2</sup>)</i>
4 to 6 months (20 mg a.i. / m <sup>2</sup> )	2.5 ml	3.5 ml	4.0 ml	5.0 ml
> 9 months (40 mg a.i. / m <sup>2</sup> )	5.0 ml	7.0 ml	8.0 ml	10.0 ml

Various factors such as type of net fabric, mesh size, etc. affect the volume of water required to treat and wet a net completely. Generally 30 ml mixture is needed per square metre (30 ml / m<sup>2</sup>) for synthetic nets (e.g. polyester) and 130 to 150 ml / m<sup>2</sup> for cotton nets.

Below are general guidelines regarding the volume of water required to wet different size bed. However, the exact absorption volume for each type and size of net must be confirmed before treatment.

<i>Fabric</i>	<i>Single bed-net (±12 m<sup>2</sup>)</i>	<i>Double bed-net (±16 m<sup>2</sup>)</i>	<i>Queen size bed-net (±20 m<sup>2</sup>)</i>	<i>King size bed-net (±24 m<sup>2</sup>)</i>
<b>Cotton</b>	1020 ml	1350 ml	1680 ml	2040 ml
<b>Synthetic (e.g. polyester)</b>	220 ml	290 ml	360 ml	430 ml

### Instructions for treatment of bed-nets.

- Always use gloves.
- Treat nets outside or in a well-ventilated area.
- Use a suitable container (e.g. bucket) with a large enough volume that will accommodate both the bed-net and the required amount of water.
- Fill the container with the predetermined volume of water to fully wet the bed-net to be treated.
- Add the required volume of **ALPHA-THRIN PEST KILL** listed above to the water and ensure that it is mixed through completely.
- Allow the net to soak in the mixture until it is thoroughly wet.
- Remove the net and allow excess to drip back into the container first.
- Allow the net to dry. It can be done by laying it evenly over a bed or bedding (this will also assist in killing bedbugs) or outside in the shade on a plastic sheet.
- Once the net has dried, it can be hung up over the bed.
- Wash hands, arms, and container after treatment of the nets and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Washing of treated nets after treatment will result in reduced efficacy, necessitating a repeated treatment.
- Treatment of several nets (of identical type), can be done by preparing a larger volume of mixture by multiplying the volume of **ALPHA-THRIN PEST KILL**, as well as the volume water required per net, by the total number of nets to be treated.

3. **Poultry sheds:**

- All cracks, crevices and potential hiding places where litter beetles may hide must receive special attention.
- **ALPHA-THRIN PEST KILL** will control, but **not** eliminate, existing populations of litter beetles that have infested and colonised the insulation of cavity walls or other protected places.
- Complete wetting of all surfaces, including vertical surfaces up to at least one metre above the ground, is essential.
- Broiler sheds must be treated after clearing, cleaning and disinfecting operations are completed before restocking with a new batch of chicks.
- Laying sheds must be treated regularly. The frequency will depend on the type of surface to be treated.
- Dropping and litter heaps must be treated more often.
- Treat new and empty cages before stocking with hens. **Do not spray directly over the birds, or allow the spray mist to drift over them!**

# Safety Data Sheet



## Coopex® Residual Insecticide

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102000002464

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### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

Trade name Coopex® Residual Insecticide  
Product code (UVP) 05937655

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide

#### 1.3 Details of the supplier of the safety data sheet

Supplier Bayer Cropscience Pty Ltd  
ABN 87 000 226 022  
Level 1, 8 Redfern Road  
3123 Hawthorn East  
Victoria  
Australia

Telephone (03) 9248 6888  
Telefax (03) 9248 6800  
Responsible Department 1800 804 479 Technical Information Service  
Website [www.environmentalscience.bayer.com.au](http://www.environmentalscience.bayer.com.au)

#### 1.4 Emergency telephone no.

Emergency telephone no. 1800 033 111 IXOM Operations Pty Ltd

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification in accordance with Australian GHS Regulation

Acute aquatic toxicity: Category 1  
H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1  
H410 Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

No hazard label for supply/use required.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

Permethrin 25:75 25 % w/w  
Chemical nature Wettable powder (WP)



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Chemical Name	CAS-No.	Concentration [%]
Permethrin	52645-53-1	25.00
Alkylethersulfate, sodium salt	68891-38-3	> 1.00 - < 5.00
Nonylphenol ethoxylate	68412-54-4	> 0.10 - < 2.50
Other ingredients (non-hazardous) to 100%		

**SECTION 4. FIRST AID MEASURES**

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.**

**4.1 Description of first aid measures**

- General advice** Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
- Inhalation** Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.
- Skin contact** Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.
- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.
- Ingestion** Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. Call a physician or poison control center immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms**
- Local: Skin and eye paraesthesia which may be severe, Usually transient with resolution within 24 hours, Skin, eye and mucous membrane irritation, Cough, Sneezing
- Systemic: discomfort in the chest, Tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Blurred vision, Headache, anorexia, Somnolence, Coma, Convulsions, Tremors, Prostration, Airway hyperreaction, Pulmonary oedema, Palpitation, Muscular fasciculation, Apathy, Dizziness

**4.3 Indication of any immediate medical attention and special treatment needed**

- Risks** This product contains a pyrethroid. Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

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### Treatment

Systemic treatment: Initial treatment: symptomatic. Monitor: respiratory and cardiac functions. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Keep respiratory tract clear. Oxygen or artificial respiration if needed. In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens. If not effective, phenobarbital may be used. Contraindication: atropine. Contraindication: derivatives of adrenaline. There is no specific antidote. Recovery is spontaneous and without sequelae.

In case of skin irritation, application of oils or lotions containing vitamin E may be considered.

## SECTION 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable

High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Dangerous gases are evolved in the event of a fire.

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

#### Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

#### Hazchem Code

2Z

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### Precautions

Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.

### 6.2 Environmental precautions

Retain and dispose of contaminated wash water. Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.



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**6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up** Use approved industrial vacuum cleaner for removal. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**SECTION 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Advice on protection against fire and explosion** Dust may form explosive mixture in air.

**Hygiene measures** When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Wash hands immediately after work, if necessary take a shower.

**7.2 Conditions for safe storage, including any incompatibilities**

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Permethrin	52645-53-1	5 mg/m <sup>3</sup> (TWA)	12 2011	AU NOEL
Permethrin	52645-53-1	10 mg/m <sup>3</sup> (SK-SEN)		OES BCS*
Kaolin (Inhalable dust.)	1332-58-7	10 mg/m <sup>3</sup> (TWA)	12 2011	AU NOEL
Diatomaceous earth (Inhalable dust.)	61790-53-2	10 mg/m <sup>3</sup> (TWA)	04 2013	AU NOEL

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**8.2 Exposure controls**

**Respiratory protection** Breathing apparatus only if aerosol or dust is formed.

**Hand protection** Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Wash gloves when contaminated. Dispose of when contaminated

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inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with EN 374.

<b>Eye protection</b>	Face-shield
<b>Skin and body protection</b>	Dust impervious protective suit
<b>General protective measures</b>	In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the above mentioned recommendations would apply.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

<b>Form</b>	powder
<b>Colour</b>	yellow to light brown
<b>Odour</b>	weak, characteristic
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Bulk density</b>	>= 160 kg/m <sup>3</sup>
<b>Water solubility</b>	miscible
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

**Thermal decomposition** Stable under normal conditions.

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.



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- 10.4 Conditions to avoid** Extremes of temperature and direct sunlight.
- 10.5 Incompatible materials** Store only in the original container.
- 10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	LD50 (Rat) > 2,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (Rat) > 4.10 mg/l Exposure time: 4 h
<b>Acute dermal toxicity</b>	LD50 (Rat) > 1,000 mg/kg
<b>Skin irritation</b>	No skin irritation (Rabbit)
<b>Eye irritation</b>	Slight irritant effect - does not require labelling. (Rabbit)
<b>Sensitisation</b>	Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

#### Assessment mutagenicity

Permethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

#### Assessment carcinogenicity

Permethrin caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver, Lungs. The mechanism that triggers tumours in rodents is not relevant for the low exposures encountered under normal use conditions.

#### Assessment toxicity to reproduction

Permethrin did not cause reproductive toxicity in a two-generation study in rats.

#### Assessment developmental toxicity

Permethrin did not cause developmental toxicity in rats and rabbits.

#### Assessment STOT Specific target organ toxicity – repeated exposure

Permethrin did not cause specific target organ toxicity in experimental animal studies.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Information on likely routes of exposure

Harmful if inhaled., Inhalation of dust may cause mucous membrane and respiratory irritation.  
Mild skin irritation., Avoid contact with skin, eyes and clothing.  
Causes eye irritation.  
Harmful if swallowed.

#### Early onset symptoms related to exposure

Refer to Section 4

#### Delayed health effects from exposure



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Refer to Section 11

### Exposure levels and health effects

Refer to Section 4

### Interactive effects

Not known

### When specific chemical data is not available

Not applicable

### Mixture of chemicals

Refer to Section 2.1

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Toxicity to fish

LC50 (Poecilia reticulata (guppy)) 0.0076 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient permethrin.

#### Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) 0.00017 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient permethrin.

#### Toxicity to aquatic plants

EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.497 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient permethrin.

### 12.2 Persistence and degradability

#### Biodegradability

Permethrin:  
Not rapidly biodegradable

#### Koc

Permethrin: Koc: 100000

### 12.3 Bioaccumulative potential

#### Bioaccumulation

Permethrin: Bioconcentration factor (BCF) 300  
Does not bioaccumulate.

### 12.4 Mobility in soil

#### Mobility in soil

Permethrin: Immobile in soil

### 12.5 Other adverse effects

#### Additional ecological information

No other effects to be mentioned.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Plastic and foil bags:

Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury empty bags in a local authority landfill. If no landfill is available, bury the containers

# Safety Data Sheet



## Coopex® Residual Insecticide

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below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty bags and product should not be burnt.

Box

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT burn empty containers or product.

### SECTION 14. TRANSPORT INFORMATION

#### ADG

UN number	3077
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)
Hazchem Code	2Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

#### IMDG

UN number	3077
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Marine pollutant	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

#### IATA

UN number	3077
Transport hazard class(es)	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE )

### SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994

Australian Pesticides and Veterinary Medicines Authority approval number: 32843

#### SUSMP classification (Poison Schedule)

Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons)

# Safety Data Sheet



## Coopex® Residual Insecticide

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### SECTION 16. OTHER INFORMATION

**Trademark Information** Coopex® is a registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

#### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
AU OEL	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)
CAS-Nr.	Chemical Abstracts Service number
CEILING	Ceiling Limit Value
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
OES BCS	OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SK-SEN	Skin sensitiser
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL

# Safety Data Sheet



## Coopex® Residual Insecticide

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should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

TWA TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

TWA Time weighted average

UN United Nations

WHO World health organisation

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS

# Safety Data Sheet



## Racumin® Rat and Mouse Blocks

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		(TWA)		
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### 8.2 Exposure controls

#### Personal protective equipment - End user

**Hand protection** Protective gloves

#### Engineering Controls

**Advice on safe handling** Avoid contact with skin, eyes and clothing.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Form** pieces or block  
**Colour** blue-grey  
**Partition coefficient: n-octanol/water** Coumatetralyl: log Pow: 1.5

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Not applicable

**10.4 Conditions to avoid** Heat, flames and sparks.  
Exposure to moisture.

**10.5 Incompatible materials** Strong oxidizing agents

**10.6 Hazardous decomposition products** Thermal decomposition can lead to release of:  
Carbon monoxide

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute oral toxicity** LD50 (Rat) 16.5 mg/kg  
The value mentioned relates to the active ingredient coumatetralyl.

**Acute inhalation toxicity** LC50 (Rat) 39 mg/l  
Exposure time: 4 h  
The value mentioned relates to the active ingredient coumatetralyl.

**Acute dermal toxicity** LD50 (Rat)  
100-500 mg/kg  
The value mentioned relates to the active ingredient coumatetralyl.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

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### SECTION 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Sand

**5.2 Special hazards arising from the substance or mixture** In the event of fire the following may be released: Carbon monoxide (CO)

#### 5.3 Advice for firefighters

**Special protective equipment for firefighters** Wear self-contained breathing apparatus and protective suit.

**Further information** Whenever possible, contain fire-fighting water by diking area with sand or earth. Fight fire from upwind position.

**Hazchem Code** Not applicable

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Precautions** An emergency shower must be readily accessible to the work area. Use personal protective equipment. Avoid contact with spilled product or contaminated surfaces. Keep unauthorized people away. Keep people away from and upwind of spill/leak. Do not breathe dust.

**6.2 Environmental precautions** Retain and dispose of contaminated wash water.

#### 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up** Sweep up or vacuum up spillage and collect in suitable container for disposal. Contaminated soil may have to be removed and disposed. Clean with detergents. Avoid solvents.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing.

#### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Talc	14807-96-6	2.5 mg/m <sup>3</sup>	12 2011	AU NOEL

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### 2.3 Other hazards

No other hazards known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Coumatetralyl 0.37g/kg  
Chemical nature

Block bait (BB)

Chemical Name	CAS-No.	Concentration [%]
Coumatetralyl	5836-29-3	0.037
Talc	14807-96-6	5.00
Other ingredients (non-hazardous) to 100%		

## SECTION 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.**

### 4.1 Description of first aid measures

#### Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

#### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

#### Ingestion

In the event of a mouthful or more being ingested, the following measures should be considered: Obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Symptoms

Symptoms of Overexposure, Blood disorders, Ingestion may provoke the following symptoms: Bruising and haemorrhage formation, Nose bleeding, Bloody vomiting

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Treatment

In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. Treat symptomatically. Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions.

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### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Trade name** Racumin® Rat and Mouse Blocks

**Product code (UVP)** 04236661

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use** Rodenticide

#### 1.3 Details of the supplier of the safety data sheet

**Supplier** Bayer CropScience Pty Ltd.  
ABN 87 000 226 022  
Level 1, 8 Redfern Road  
3123 Hawthorn East  
Victoria  
Australia

**Telephone** (03) 9248 6888

**Telefax** (03) 9248 6800

**Responsible Department** 1800 804 479 Technical Information Service

**Website** [www.environmentalscience.bayer.com.au](http://www.environmentalscience.bayer.com.au)

#### 1.4 Emergency telephone no.

**Emergency telephone no.** 1800 033 111 IXOM Operations Pty Ltd

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Australia. GHS Hazardous Chemical Information List (Hazardous Substances Information System (HSIS))**

Acute toxicity: Category 4

H302 Harmful if swallowed.

#### 2.2 Label elements

Hazard label for supply/use required.

**Hazardous components which must be listed on the label:**

Coumatetralyl

**Signal word:** Warning

#### Hazard statements

H302 Harmful if swallowed.

#### Precautionary statements

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local regulation.



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### Information on likely routes of exposure

Inhalation not likely., May be harmful if inhaled.  
No skin irritation  
No eye irritation  
Ingestion of large amounts may be harmful (see Signs and Symptoms).

### Early onset symptoms related to exposure

Refer to Section 4

### Delayed health effects from exposure

Refer to Section 11

### Exposure levels and health effects

Refer to Section 4

### Interactive effects

Not known

### When specific chemical data is not available

Not applicable

### Mixture of chemicals

Refer to Section 2.1

### Further information

No further toxicological information is available.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Toxicity to fish** LC50 (Oncorhynchus mykiss (rainbow trout)) 48 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient coumatetralyl.

**Toxicity to aquatic invertebrates** LC50 (Daphnia (water flea)) 14 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient coumatetralyl.

**Toxicity to other organisms** LD50 (Coturnix japonica (Japanese quail)) > 2,000 mg/kg  
The value mentioned relates to the active ingredient coumatetralyl.

### 12.2 Persistence and degradability

**Biodegradability** Coumatetralyl:  
Not rapidly biodegradable

**Koc** Coumatetralyl: Koc: 453

### 12.3 Bioaccumulative potential

**Bioaccumulation** Coumatetralyl: Bioconcentration factor (BCF) 3 - 11  
Does not bioaccumulate.

### 12.4 Mobility in soil

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**Mobility in soil** Coumatetralyl: Moderately mobile in soils

### 12.5 Other adverse effects

**Additional ecological information** No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Shake empty container onto baiting site. Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

## SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

## SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994  
Australian Pesticides and Veterinary Medicines Authority approval number: 52098

### Hazardous Classification

Hazardous (National Occupational Health and Safety Commission - NOHSC)

### SUSMP classification (Poison Schedule)

Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons)

## SECTION 16. OTHER INFORMATION

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### Abbreviations and acronyms

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

# Safety Data Sheet



## Racumin® Rat and Mouse Blocks

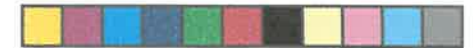
Version 1 / AUS  
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Print Date: 17.06.2016

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
AU OEL	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)
CAS-Nr.	Chemical Abstracts Service number
CEILING Conc.	Ceiling Limit Value Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
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RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SK-SEN	Skin sensitiser
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TWA	TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS



**BASF**  
The Chemical Company

# FENDONA® 6

Reg. No. L 5678; Act No 36 of 1947 N-AR 0729  
W 130 053

For full particulars, see enclosed leaflet.

**A long lasting suspension concentrate contact and stomach insecticide for the control of malaria vectors, nuisance and biting flies, cockroaches (american and german), bedbugs, fleas, mosquitoes, hide beetle larva, fishmoths, stableflies, ants and Alphetobius larva and -beetle.**

Active ingredient: Alpha-cypermethrin (Pyrethroid) ..... 60 g / l

Reg. Nr. L5678 Wet Nr 36 van 1947

'n Suspensiekonsentraat kontak- en maaginsekodder met 'n lang nawerkende aksie vir die beheer van malarievektore, hinderlike- en steekvlieë, kakkerlakke (amerikaanse en duitse), weelulse, vlooië, vismotte, muskiete, velkewerlarwes, perdevlieë, miere en Alphetobius-kewer en -larwe.

Aktiewe bestanddeel: Alfa-sipermetrien (Piretroïed) ..... 60 g / l

**Registered by / Geregistreer deur:**

BASF South Africa (Pty) Ltd.  
(Co. Reg. No. / Mpy. Reg. Nr. 66/10235/07)  
P.O. Box / Posbus 2801, Halfway House, 1685

**Manufactured and formulated by /**

**Vervaardig en geformuleer deur:**  
BASF Agro BV Arnhem (NL), Waedenswil Branch  
Moosacherstraße 2, CH-8820 Waedenswil, Switzerland

**EMERGENCY NUMBER / NOODNOMMER 082-893-3643**

**UN / VN No: 3082 App. code 22 / 01 / 01**

1 l



**Batch Number /  
Lotnommer:**

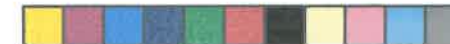
**Date manufactured /  
Datum vervaardig:**



® Registered Trademark of BASF /  
Geregistreerde Handelsmerk van BASF

81037384 ZA 0118





#### WARNINGS

- Concentrate is poisonous when swallowed and moderately toxic by skin contact.
- Not significantly hazardous to bees, various other beneficial pest parasites and predators and fish under field conditions, provided the product is used as directed.
- Do not spray over or allow drift to contaminate drinking water and water bodies such as dams, ponds, rivers, streams or fish hatcheries.
- Moderately toxic to wildlife.
- Store in a cool place away from food and feedstuffs.
- Keep concentrate out of reach of children, uninformed persons and animals.
- Do not apply directly onto animals.
- Do not apply to surfaces where food is handled.

Although this remedy has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of a pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to the environment or harm to man or animal or lack of performance of the remedy concerned due to failure of the user to follow the label instructions or due to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

#### PRECAUTIONS

- Avoid eye splashes, skin contact by and inhalation of spray mist.
- Wear protective clothing: Overall, gloves and facemask.
- Wash with soap and water after use or after accidental skin contact.
- Do not eat, drink or smoke while mixing or spraying or before washing hands and face.
- Prevent contamination of food, feedstuffs, eating utensils and drinking water.
- Remove pets and aquaria or cover aquaria.
- Thoroughly wash and rinse the spray equipment / containers / basins after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- TRIPLE RINSE empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add these rinsings to the contents of the spray tank.
- Destroy empty container and do not re-use for any other purpose.

#### DIRECTIONS FOR USE

USE ONLY AS DIRECTED

**Compatibility:** Do not mix FENDONA 6 with any other chemical.

#### Mixing instructions for spraying:

Half fill the sprayer with clean water. Measure the required volume of FENDONA 6 and pre-mix this with some water. Add this mixture to the water in the sprayer. Fill the sprayer with water to the required level and shake the sprayer well to ensure proper mixing or ensure continual mechanical or hydraulic agitation before spraying commences. Prepared spray mixture must not be left in the spray tank for any length of time e.g. overnight.

#### General directions:

- FENDONA 6 is a long lasting suspension concentrate contact and stomach insecticide for the control of malaria vectors, flies, cockroaches, bedbugs, fleas, fish moths, mosquitoes, ants, hide and skin beetles and larvae and litter beetle and larva. The length of control depends on:
  - the insect species being treated,
  - the level of infestation,
  - the type of surface (or bed-net fabric),
  - whether the treatment is applied indoors or outdoors,
  - exposure to sunlight and weather conditions and,
  - depending on dosage rate, months of control can be expected indoors and on bed-nets, and several weeks outdoors under favourable conditions.
- FENDONA 6 spray mixture is colourless and odourless and can be used indoors or outdoors, in and around homes, factories, hotels, shops, food handling and processing establishments, hospitals, schools, dairy parlours, piggeries, stables, poultry houses, dog kennels, refuse dumps and similar places where high levels of hygiene are required.

#### Poultry uses:

- **Poultry sheds:** All cracks, crevices and potential hiding places where the litter beetle may seek shelter must receive special attention. Ensure thorough wetting of all surfaces including vertical surfaces up to at least one metre above the ground. FENDONA 6 will control but will NOT eliminate existing populations of litter beetles that have invaded and colonised the insulation of cavity walls or other protected places.
- **Broiler sheds:** Should be treated before restocking with each new batch of chicks, i.e. after the clearing, cleaning and disinfecting operations have been carried out.
- **Laying sheds:** Should be treated on a regular basis. Frequency will depend on the type of surface to be treated. Droppings and litter heaps may require treatment more often. New and empty cages can be treated BEFORE stocking with hens. DO NOT SPRAY THE BIRDS DIRECTLY OR ALLOW THE SPRAYMIST TO DRIFT OVER THEM.

### Malaria vector control:

#### Surface sprays

- Use a sprayer fitted with a nozzle that will deliver coarse droplets at a low pressure. Do not spray at high pressure that will result in a spray mist.
- Ensure total coverage of all surfaces. All cracks, crevices and potential hiding places where mosquitoes may seek shelter must receive special attention.
- Allow spray to dry on treated surfaces before re-entering.

#### Bed-nets

- All nets need to be washed and dried before treatment. Some new nets are sometimes starched, and must therefore be washed first to remove the starch. Ensure that all traces of soap are rinsed out after washing and before treating with **FENDONA 6**, as alkaline soap residues could influence the persistence of the treatment.
- The volume of **FENDONA 6** to be used per bed-net is dependent on the length of time that control is required, as well as the size of the net.

Months of control required (dose active ingredient)	Single bed-net ( $\pm 12 \text{ m}^2$ )	Double bed-net ( $\pm 16 \text{ m}^2$ )	Queen size bed-net ( $\pm 20 \text{ m}^2$ )	King size bed-net ( $\pm 24 \text{ m}^2$ )
4 – 6 months (20 mg a.i. / $\text{m}^2$ )	4 ml	5.5 ml	6.5 ml	8 ml
more than 9 months (40 mg a.i. / $\text{m}^2$ )	8 ml	10.5 ml	13.5 ml	16 ml

- Bed-net fabric, mesh size and accessories such as a roof, border or string ties, affect the volume of water needed to treat and thoroughly wet a net. Generally 30 ml mixture /  $\text{m}^2$  is needed for synthetic materials (e.g. polyester) and 130 – 150 ml /  $\text{m}^2$  for cotton.
- Rough guidelines for the amount of water needed to wet different size bed-nets are given below (it is recommended however that the exact absorption volume for each type and size of net be determined before treatment).

Fabric	Single bed-net ( $\pm 12 \text{ m}^2$ )	Double bed-net ( $\pm 16 \text{ m}^2$ )	Queen size bed-net ( $\pm 20 \text{ m}^2$ )	King size bed-net ( $\pm 24 \text{ m}^2$ )
Synthetic material (e.g. Polyester)	360 ml	480 ml	600 ml	720 ml
Cotton	1700 ml	2250 ml	2800 ml	3400 ml

#### Mixing Instructions for treating bed-nets.

- Use a suitable container / bucket / bowl / bag, that is large enough to hold the bed-net as well as the required amount of water.
- Treat nets outside or in a well-ventilated area and use gloves.
- Fill the container with the predetermined volume of water to fully wet the bed-net to be treated. Add the correct volume of **FENDONA 6** (see above) to the water and mix well.
- Soak the net in the mixture until it is thoroughly wet.
- Remove the net and allow excess to drip back into the container. (If the correct amount of mixture was used, there should be very little left).
- Allow the net to dry evenly by laying it on a bed or bedding (which helps to kill bedbugs) or on a plastic sheet outside in the shade.
- When net is dry, it may be hung over the bed.
- After treating nets, wash hands, arms, and container and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- The effect of the treatment will not be the same if the net is washed after treatment, and a re-treatment is advisable.
- Bed-nets treated with **FENDONA 6** will not be stained or have an odour after treatment and will not be more flammable.
- To treat several identical nets, a larger volume of mixture can be prepared by multiplying the volume of **FENDONA 6** as well as the volume water needed per net, by the total number of nets to be treated.

All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to ensure the desired coverage for that particular method of application.



PEST	DOSAGE	DIRECTIONS FOR APPLICATION
<b>HIDES &amp; SKINS</b> Hide beetle larvae	35 ml / 10 l water	<b>Hides and skins:</b> Thoroughly wet all parts. Repeat treatment every 3 months or when necessary.
Hide beetle adults	35 ml / 10 l water	<b>Warehouse floors, walls and other surfaces:</b> Apply spray mixture to the point of run-off. Repeat treatment every 3 months or if necessary.
<b>MOSQUITO ADULTS</b> (Including malaria vectors)	40 – 85 ml / 10 l water (12 – 25.5 mg a.i. / m <sup>2</sup> )  160 ml / 10 l water (50 mg a.i. / m <sup>2</sup> )  20 mg a.i. / m <sup>2</sup> OR 40 mg a.i. / m <sup>2</sup>	Several months of control can be expected indoors at the highest dosage rates (160 ml / 10 l water), but at the lower dosage rate only 4 – 6 weeks' control can be expected. The length of control is determined by the dosage rate and the type of treated surface. (See also <b>General Directions</b> , under <b>DIRECTIONS FOR USE</b> above)  Apply as a coarse spray to surfaces where insects settle in areas where re-sprays can be done every 4 – 6 weeks. Apply to point of run-off. Use higher dose rate for longer lasting control or where infestation is severe. Repeat if necessary.  <b>MALARIA VECTOR - SURFACE TREATMENTS</b>  Recommended for use as a surface spray on coarse surfaces (such as clay and brick internal and external walls, roofs and ceilings, e.g. thatched). Use this rate where applications can be made only <b>once or twice</b> during the malaria infection period of October to May. Apply as a coarse spray to the point of run-off by using 50 ml spray mixture / m <sup>2</sup> . If the applications will be made on smooth surfaces (such as glass and wood inside and outside the house) apply as a coarse spray to the point of run-off by using 25 ml spray mixture / m <sup>2</sup> by mixing 330 ml of <b>FENDONA 6</b> with 10 l water. This will also result in applying 50 mg a.i. / m <sup>2</sup> .  <b>BED-NET TREATMENT</b>  Mix the required volume <b>FENDONA 6</b> with enough water to wet a bed-net. Soak the net in the mixture until it is thoroughly wet. Use the higher rate for longer period of control.  For amount of <b>FENDONA 6</b> refer to <b>Bed-nets</b> under <b>MALARIA CONTROL</b> above. See further information under <b>General directions</b> under <b>DIRECTIONS FOR USE</b> above as well.
<b>POULTRY SHEDS</b> Lesser Mealworm / Litter beetle (Alphitobius diaperinus)	40 - 85 ml / 10 l water	Apply as a coarse spray to the interior surfaces of the sheds. Ensure thorough wetting of the floors, walls and other surfaces. Repeat if necessary. Use higher dose rate for longer lasting control or where infestation is severe. (See under <b>General Directions</b> above). <b>DO NOT SPRAY THE BIRDS DIRECTLY OR ALLOW THE SPRAYMIST TO DRIFT OVER THEM.</b>
<b>PUBLIC HEALTH:</b> Adult house flies Adult stable flies Ants, Bedbugs Cockroaches (american & german) Fish moths, Fleas	40 - 85 ml / 10 l water	Apply as a coarse spray or with a paintbrush to cracks, crevices and any place where these insects may hide and on surfaces over which they may crawl or settle. Apply to point of run-off. Use higher dose rate for longer lasting control or where infestation is severe. Repeat if necessary.



## WAARSKUWINGS

- Konsentraat is giftig indien ingesluk en matig giftig deur velopname.
- Nie betekenisvol riskant vir bye, verskillende ander nuttige plaagparasiete en -predatore en vis onder veldtoestande met dien verstande dat die produk gebruik word soos voorgeskryf.
- Moenie oor drinkwater en watermassas soos damme, poele, riviere, strome of visteeldamme spuit, of toelaat dat spuitnewel daarheen waai nie.
- Matig giftig vir wild.
- Bêre konsentraat in 'n koel plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moenie direk op diere aanwend nie.
- Moenie op oppervlakke waar voedsel hanteer word, aanwend nie.

Alhoewel hierdie middel omvattend en onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale klimaats- en bergingstoestande, kwaliteit van verdunningswater, saambuikbaarheid met ander stowwe wat nie op die etiket aangedui is nie, en die voorkoms van weerstand van 'n plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

## VOORSORGMATREËLS

- Voorkom besoedeling van die oë, velkontak en inaseming van die spuitnewel.
- Dra beskermende klere: Oorpak, handskoene en gesigskerm.
- Was met water en seep na gebruik of toevallige velkontak.
- Moenie eet, drink of rook terwyl gemeng of gespuut word nie en alvorens hande en gesig nie eers gewas is nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Verwyder troeteldiere en vistenke of bedek vistenke.
- Was en spoel spuitapparaat / houers / emmers, deeglik uit ná gebruik en doen weg met waswater op so 'n manier dat dit nie gewasse, weiding, riviere of damme sal besoedel nie.
- Die leë houer moet DRIEKEER UITGESPOEL word soos volg: Keer die leë houer om oor die spuitenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Gooi hierdie spoelwater by die inhoud van die spuitenk.
- Vernietig leë houer en moenie vir enige ander doel hergebruik nie.

## GEBRUIKSAANWYSINGS

## GEBRUIK SLEGS SOOS AANGEDUI

**Verenigbaarheid:** Moenie enige ander produk met **FENDONA 6** meng nie.

### Menginstruksies vir bespuiting:

Maak die spuitenk halfvol met skoon water. Meet die benodigde hoeveelheid **FENDONA 6** af en meng dit vooraf met 'n hoeveelheid water. Voeg hierdie mengsel by die water in die spuitenk. Vul die spuitenk met water tot by die verlangde vlak en skud die spuitenk goed om te verseker dat die spuitmengsel behoorlik gemeng is, of verseker dat aanhoudende meganiese of hidrouliese vermenging toegepas is, alvorens daar begin word met bespuiting. Aangemaakte spuitmengsel moenie in die spuitenk gelaat word vir 'n onbepaalde tyd, bv. oornag, nie.

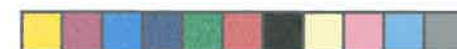
### Algemene aanwysings:

- **FENDONA 6** is 'n suspensiekonsentraat kontak- en maaginsektdoder met 'n lang nawerkende aksie vir die beheer van malaria vektore, vlieë, kakkerlakke, weeluis, vlooie, vismotte, muskiete, velkewerlarwes en -volwassenes, miere en *Alfitobius*-kewer en -larwe. Die tydperk van beheer word beïnvloed deur;
  - die insekspesie wat behandel moet word;
  - die vlak van infestasië;
  - die oppervlak (of bednet materiaal) wat behandel word;
  - of die bespuiting binne- of buitenshuis gedoen word;
  - blootstelling aan sonlig en algemene weersomstandighede en
  - afhange van die dosis, kan onder gunstige toestande, verskeie maande se beheer binnenshuis en etlike weke buitenshuis, verkry word.
- 'n Spuitmengsel van **FENDONA 6** is kleurloos en reukloos en kan derhalwe gespuut word buite- of binne wonings, fabriekke, hotelle, winkels, geboue waar voedsel verwerk word, hospitale, skole, melkerye, varkhokke en perdestalle, hoender- en hondehokke, vullishope en soortgelyke plekke waar 'n hoë mate van higiëne vereis word.

### Pluimveegebruik:

- **Pluimveehokke:** Vir effektiewe beheer van die *Alfitobius*-kewer moet veral aandag gegee word aan die kewer se moontlike wegkruipplekke soos krake en holtes. Verseker goeie benutting van sulke oppervlakke asook vertikale oppervlakke tot op 'n hoogte van ten minste een meter vanaf die grond. Indien *Alfitobius*-kewers alreeds gevestig geraak het in die mure en ander beskermende plekke, sal **FENDONA 6** die getalle beheer maar NIE ten volle uitwis nie.
- **Braaikuikenhokke:** Bespuiting moet geskied nadat die hokke ontruim, skoongemaak en ontsmet is maar voordat 'n nuwe groep kuikens hervestig word.
- **Lêhokke:** Bespuiting moet gereeld plaasvind. Die tyd tussen behandelings sal afhang van die oppervlak wat bespuit word. Mis en afvalhope sal meer dikwels bespuit moet word. Nuwe en leë hokke kan behandel word VOORDAT hennie daarin geplaas word. **SORG DAT DIE VOËLS NIE DIREK RAAKGESPUIT WORD OF DAT SPUITNEWEL NA HULLE OORWAAI NIE.**





### Malariavektorbeheer:

#### Oppervlakbespuitings

- Gebruik 'n spuit wat toegerus is met 'n spuitkop wat growwe druppels teen 'n lae druk kan lewer. Moet nie teen 'n te hoë druk toedien, wat 'n fyn mis sal lewer nie.
- Verseker dat alle oppervlakke deeglik benat word. Alle krake, holtes en moontlike wegkruipplekke van muskiete moet veral aandag kry.
- Wag todat die bespuitte oppervlakke droog is voordat die bespuitte gebied weer binnegegaan word.

#### Bednette

- Alle nette moet gewas en droog wees voor behandeling. Sommige nuwe nette is gestyf, en moet ook eers gewas word. Spoel nette goed uit om van alle seep ontslae te raak, omdat seep-residue in die materiaal die na-werking van **FENDONA 6** kan beïnvloed.
- Die volume **FENDONA 6** wat benodig word vir die behandeling van 'n bednet is afhanklik van die lengte van beheer benodig, asook die grootte van die bednet.

Maande van beheer benodig (dosis aktiewe materiaal)	Enkel bednet ( $\pm 12 \text{ m}^2$ )	Dubbel bednet ( $\pm 16 \text{ m}^2$ )	Koningins-grootte ( $\pm 20 \text{ m}^2$ )	Konings-grootte ( $\pm 24 \text{ m}^2$ )
4 – 6 maande (20 mg a.b. / $\text{m}^2$ )	4 ml	5.5 ml	6.5 ml	8 ml
meer as 9 maande (40 mg a.b. / $\text{m}^2$ )	8 ml	10.5 ml	13.5 ml	16 ml

- Die volume water wat benodig word om 'n bednet goed te benat, is afhanklik van die grootte, die materiaal waaruit dit gemaak is en die vorm van die net. Vir sintetiese materiaal, soos poli-ester word algemeen 30 ml spuitmengsel /  $\text{m}^2$  benodig en vir katoen tussen 130 en 150 ml /  $\text{m}^2$ .
- In die tabel hieronder, word 'n algemene riglyn gegee van die water wat benodig word om verskillende bednette deeglik te benat (dit word egter aanbeveel om die korrekte volume water vir elke tipe bednet te bepaal voordat dit behandel word).

Materiaal	Enkel bednet ( $\pm 12 \text{ m}^2$ )	Dubbel bednet ( $\pm 16 \text{ m}^2$ )	Koningins-grootte ( $\pm 20 \text{ m}^2$ )	Konings-grootte ( $\pm 24 \text{ m}^2$ )
Sinteties (bv. Poli-ester)	360 ml	480 ml	600 ml	720 ml
Katoen	1700 ml	2250 ml	2800 ml	3400 ml

#### Menginstruksies vir die behandeling van bednette.

- Gebruik 'n geskikte houer / emmer / skottel of sak, wat groot genoeg is om die bednet asook die volume water te hou.
- Behandel die nette in 'n goed geventileerde vertrek, verkieslik buitekant, en maak gebruik van handskoene.
- Vul die houer met die verlangde volume water, en voeg die nodige volume **FENDONA 6** by (vir volumes benodig kyk tabelle hierbo).
- Doop die net in die mengsel todat dit deurweek is.
- Verwyder die net en laat toe dat enige oortollige oplossing terug drup in die houer. (Indien die korrekte volume mengsel gebruik is, sal net 'n klein volume oorbly).
- Laat toe dat die net droog word deur dit plat op 'n bed of beddegoed neer te lê (op dié manier word weeluisse ook beheer). Dit kan ook buite in die skadu, op plastiek neergelê word.
- Hang dit bo-oor die bed sodra dit droog is.
- Nadat die bednette behandel is, moet hande, arms en die houers gewas word. Doen weg met die waswater op so 'n manier dat dit nie gewasse, weiding, riviere of damme sal besoedel nie.
- Indien die net gewas word nadat dit behandel is, sal die beheer nie dieselfde wees nie en word aanbeveel dat die behandeling herhaal word.
- **FENDONA 6** sal nie bednette vlek of 'n reuk nalaat nie. Nette sal ook nie meer vlambaar wees nie.
- Vir die gelyktydige behandeling van 'n aantal identiese nette, vermengvuldig die volume water sowel as die volume **FENDONA 6** wat vir een net benodig word, met die aantal nette wat behandel wil word.

Alle toedienings moet gemaak word met geskikte toerusting wat in goeie werkende toestand en korrek gekalibreer is ten einde die verlangde bedekking te gee vir die betrokke toedieningsmetode.

PLAAG	DOSIS	TOEDIENINGSVOORSKRIFTE
<b>VELLE EN HUIDE</b> Velkewerlarwes	35 ml / 10 l water	<b>Velle en huide:</b> Benat alle dele deeglik. Herhaal die behandeling elke 3 maande of indien nodig.
Volwasse velkewers	35 ml / 10 l water	<b>Opbergingsperseelvoere, -mure en ander oppervlakke:</b> Dien die spuitmengsel tot punt van afloop toe. Herhaal die behandeling elke 3 maande of indien nodig.
<b>VOLWASSE MUSKIETE</b> (Malariavektore ingesluit)	40 – 85 ml / 10 l water (12 – 25.5 mg a.b. / m <sup>2</sup> )  160 ml / 10 l water (50 mg a.b. / m <sup>2</sup> )  20 mg a.b. / m <sup>2</sup> OF 40 mg a.b. / m <sup>2</sup>	<p>Verskeie maande van beheer kan binnenshuis verwag word teen die hoër dosis (160 ml / 10 l water), en tussen 4 – 6 weke beheer teen die laer dosisse. Die lengte van beheer word bepaal deur die dosis toegedien en die betrokke oppervlak wat behandel word. Kyk ook <b>Algemene Aanwysings</b> onder <b>GEBRUIKSAANWYSINGS</b> hierbo.</p> <p>Dien as 'n growwe bespuiting toe op oppervlakke waar insekte sit en waar bespuiting elke 4 – 6 weke herhaal kan word. Dien tot die punt van afloop toe. Gebruik die hoër dosis onder hoë infestasiedruk of waar langer periodes van beheer tussen toedienings verlang word. Herhaal indien nodig.</p> <p><b>MALARIAVEKTOR – OPPERVLAKBESPUITINGS</b></p> <p>Word aanbeveel as 'n oppervlakbespuiting op growwe oppervlakke (soos klei-, baksteenbinne- en buitemure, dakke en grasdakke). Gebruik hierdie dosis waar toedienings net een of twee maal gedurende die malaria infeksie periode van Oktober tot Mei gemaak kan word. Dien as 'n growwe bespuiting toe, deur gebruik te maak van 50 ml spuitmengsel / m<sup>2</sup>. Indien die oppervlakke wat behandel sal word glad is, soos glas of hout, sal minder water benodig word, om die punt van afloop te bereik, (25 ml spuitmengsel / m<sup>2</sup>). In hierdie geval moet 330 ml <b>FENDONA 6</b> / 10 l water gebruik word om dieselfde konsentrasie, nl. 50 mg / m<sup>2</sup> te verkry.</p> <p><b>BEDNETBEHANDELING</b></p> <p>Meng die benodigde volume <b>FENDONA 6</b> met genoeg water om die bednet deeglik te benat en doop die bednet in hierdie oplossing. Gebruik die hoër dosis vir langer beheer.</p> <p>Verwys na tabelle hierbo om die korrekte volume <b>FENDONA 6</b>, asook volume water te bepaal, wat benodig word vir bednetbehandeling.</p> <p>Vir verdere inligting kyk ook onder <b>Algemene aanwysings</b> onder <b>GEBRUIKSAANWYSINGS</b> hierbo.</p>
<b>OPENBARE GESONDHEID</b> Kakkerlakke (amerikaanse en duitse) Miere, Vismotte, Vlooië, Weeluisse Volwasse perdevlieë Volwasse vlieë.	40 – 85 ml / 10 l water	Wend as 'n growwe bespuiting aan of dien met 'n kwas aan krake, holtes en enige plek waar insekte mag wegkruip toe of op oppervlakke waaroor insekte mag beweeg of op gaan sit. Dien tot punt van afloop toe. Gebruik die hoër dosis onder hoë infestasiedruk of waar langer periodes van beheer tussen toedienings verlang word. Herhaal indien nodig.
<b>PLUIMVEE-HOKKE</b> Kleinmeelwurm / Alfitobius-kewer en -larwes ( <i>Alphitobius diaperinus</i> )	40 – 85 ml / 10 l water	Wend aan binne-oppervlakke van hokke as 'n growwe bespuiting toe en verseker goeie benatting van vloere, mure en alle ander oppervlakke waar kewers mag voorkom. Herhaal indien nodig. Dien hoër dosis toe waar langer periodes van beheer verlang word of waar hoë infestasië voorkom. Sien ook <b>Algemene aanwysings</b> hierbo. <b>SORG DAT DIE VOËLS NIE DIREK RAAKGESPUIT WORD OF DAT SPUITNEWEL NA HULLE OORWAAI NIE.</b>



**BASF**  
The Chemical Company

# FENDONA® 6

Reg. No. L 5678; Act No 36 of 1947 N-AR 0729  
W 130 053

For full particulars, see enclosed leaflet.

**A long lasting suspension concentrate contact and stomach insecticide for the control of malaria vectors, nuisance and biting flies, cockroaches (american and german), bedbugs, fleas, mosquitoes, hide beetle larva, fishmoths, stableflies, ants and Alphetobius larva and -beetle.**

Active ingredient: Alpha-cypermethrin (Pyrethroid) ..... 60 g / l

Reg. Nr. L5678 Wet Nr 36 van 1947

'n Suspensiekonsentraat kontak- en maaginsekdoder met 'n lang nawerkende aksie vir die beheer van malariavektore, hinderlike- en steekvlieë, kakkerlakke (amerikaanse en duitse), weeluisse, vlooië, vismotte, muskiete, velkewerlarwes, perdevlieë, miere en Alphetobius-kewer en -larwe.

Aktiewe bestanddeel: Alfa-sipermetrien (Piretroïed) ..... 60 g / l

**Registered by / Geregistreer deur:**

BASF South Africa (Pty) Ltd.  
(Co. Reg. No. / Mpy. Reg. Nr. 66/10235/07)  
P.O. Box / Posbus 2801, Halfway House, 1685

**Manufactured and formulated by /**

**Vervaardig en geformuleer deur:**  
BASF Agro BV Arnhem (NL), Waedenswil Branch  
Moosacherstraße 2, CH-8820 Waedenswil, Switzerland

**EMERGENCY NUMBER / NOODNOMMER 082-893-3643**

UN / VN No: 3082

App. code 22 / 01 / 01

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Batch Number /  
Lotnummer:

Date manufactured /  
Datum vervaardig:



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