



# MATERIAL SAFETY DATA SHEET

## MOLE REPELLENT

**Date Issued:** March 2019

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**Revision No.:** 3

**Print Date:** 5/4/19

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** MOLE REPELLENT

**SUPPLIER:** EFEKTO

PO BOX 652147

BENMORE

2010

**TEL No.** 0861 333 586 office hours

**EMERGENCY TELEPHONE NUMBERS:**

**SPILLAGES:** 082 446 8946

**POISONINGS:**

**Poisons Information Helpline:** 0861 555 777 (all hours)

**Griffon Poison Centre** 082 446 8946

**Use:** A mole repellent.

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### 2. HAZARDS IDENTIFICATION

- Garlic is considered to have very low toxicity.

**Likely routes of exposure:**

Skin and eye contact, ingestion and inhalation.

**Skin contact:** No irritation

**Eye Contact:** May cause irritation following contact.

**Ingestion:** Small quantities are unlikely to cause any toxic effect. Large quantities may give rise to gastro-intestinal disorders.

**Long term effects:** No adverse effects are known

**Symbol:** None

**Risk phrases:** None

**UN No.:** Not regulated

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Active ingredients:**



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Active ingredients.	CAS No.:	EC No.:
Garlick oil 45ml/l	8008-99-9	232-371-1
Diallyl disulphide	2179-57-9	-

**Chemical Name:** Garlick oil  
**Chemical Family:** Plant oil  
**Chemical Formula:** -  
**NIOSH/RTECS No.:** Not available.

#### 4. FIRST-AID MEASURES

**Eye contact:** Rinse with water for prolonged time – if ill effects occur seek medical advice.  
**Skin contact:** Wash with water and soap.  
**Ingestion:** If ill effects occur seek medical advice immediately.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**  
Use water spray, carbon dioxide, dry chemical powder or foam. Wear self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** None.  
**Environmental precautions:** Collect and flush small residuals with much water into the drain for subsequent biological waste effluent treatment.

#### 7. HANDLING AND STORAGE

**Handling:** Handle with care.  
**Advice on protection against fire and explosion:** No special requirements against fire and explosion  
**Storage:**  
To maintain the quality, store in covered storage areas and containers warehouse at temperatures between 0° and 50 °C. Keep containers tightly closed, in a well-ventilated place. Store away from food, drink and animal feeding stuffs. Keep away from children..

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** None  
**Personal protection equipment**



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**Respiratory protection:** Ensure sufficient workplace ventilation.

**Hand protection:** Does not apply

**Eye protection:** Protective goggles

**Hygiene measures:** Obey reasonable safety precautions and practice good housekeeping

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid

**Colour:** Brown to yellow

**Odour:** Mild garlick.

**Refractive Index at 20°C:** Between 1.559 and 1.579

**Flash point:** 62.0 °C

**Density:** Between 1.040 and 1.090

**pH:** Not available

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### 10. STABILITY AND REACTIVITY

**Thermal decomposition:** Stable under usual application conditions.

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### 11. TOXICOLOGICAL INFORMATION

Garlic is considered to have very low toxicity and is listed as Generally Recognized as Safe (GRAS) by the U.S. Food and Drug Administration.

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### 12. ECOLOGICAL INFORMATION

No data .

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### 13. DISPOSAL CONSIDERATIONS

**Product:** Dispose of as household waste

**Contaminated packaging:** Undamaged packaging may be responsibly reused after proper cleaning

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### 14. TRANSPORT INFORMATION

**UN No.:** Not regulated.

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### 15. REGULATORY INFORMATION

**Symbol:** None



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**Risk phrases:** None

**Safety phrases:**

S1/2 Keep locked up and out of reach of Children.

**National legislation:** In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

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### 16. OTHER INFORMATION

**Compiled by:** Danie Fourie

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

### REFERENCES

- BEST Garlic oil MSDS.
- ADR 2011, Part 3.
- IMDG Code, 2005 Edition, Vol. 2.
- IATA Dangerous goods regulations, Effective 1 January 2011

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**END OF MSDS.**