



# MATERIAL SAFETY DATA SHEET

## OLEUM

**Date Issued:** April 2014 and is valid for 3 years from this date.

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**Revision:** 3

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** OLEUM

**SUPPLIER:** EFEKTO

PO BOX 652147

BENMORE

2010

**TEL No.** 011 287 5700

**EMERGENCY TELEPHONE NUMBERS:**

**SPILLAGES:** 083 1233 911

**Fax:** 086 685 3129

**POISONINGS:**

**National Poison Centre** 021-9386084 (office hours).

021-9316129 (after hours).

082 446 8946

**Use:** An white oil emulsion insecticide for the control of pernicious scale, red scale, soft brown scale, circular purple and mussel scale, aphids, red spidermite, mealy bug, woolly aphid, australian bug and bryobia mite eggs on deciduous fruit trees, citrus, ornamentals and shrubs as listed.

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### 2. HAZARDS IDENTIFICATION

- May cause irritation.

This material is not considered to be hazardous, but should be handled in accordance with good industrial hygiene and safety practices.

**Routes of entry:**

Ingestion, inhalation, eyes and skin contact.

**Skin:** Product is considerate to be of low toxicity.

**Ingestion and inhalation:** May be harmful.

**Carcinogenicity:** Tests on highly refined oils was negative

**UN No:** Not regulated.

**Risk Phrases :** None required

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Active ingredients:**



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Active ingredients.	CAS No.:	EC No.:
Mineral oil highly refined	-	-
Proprietary performance additives.	Trade secret	

**Chemical Name:** Mineral oil

**Chemical Family:** Oil

**Chemical Formula:** None

**NIOSH/RTECS No.:** None

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#### 4. FIRST-AID MEASURES

**Eyes:**

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

**Skin:**

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

**Ingestion:**

If contamination of the mouth occurs, wash out thoroughly with water.

**Inhalation:**

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

**Advice to physician:**

Treatment should in general be symptomatic and directed to relieving any effects.

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#### 5. FIRE-FIGHTING MEASURES

**Extinguishing agents:**

Use foam, dry powder or water fog. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over.

**Combustion Products:**

Toxic fumes (Carbon monoxide), may be evolved on burning or exposure to heat.

**Additional Information:** None

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#### 6. ACCIDENTAL RELEASE MEASURES

**Spills:**

Contain and recover spilled material using sand or other suitable inert absorbent material.

It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.



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Spilled material may make surfaces slippery.  
Protect drains from potential spills to minimize contamination. Do not wash product into drainage system.  
In the case of large spills contact the appropriate authorities.  
In the case of spillage on water, the product will emulsify and recovery may be difficult.

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### 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate.  
Avoid frequent or prolonged skin contact.  
Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times.  
Wash hands thoroughly after contact.  
Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

**Storage Conditions:**

Store under cover and in a cool place. Keep out of reach of children

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:**

There is no appropriate occupational exposure limit for this material. Avoid, as far as reasonably practicable, inhalation of vapor, mists or fumes generated during use.

**Protective Clothing:**

Wear face visor or goggles in circumstances where eye contact can accidentally occur. If skin contact is likely, wear impervious protective clothing and/or gloves.  
Change heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water.

**Respiratory Protection:**

The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** A Mayonnaise type emulsion.  
**Colour:** White  
**Odour:** Oil  
**Flammability:** Not Flammable.  
**Explosive properties:** No information currently available.  
**Flash point:** Not applicable. Product is water based.  
**Oxidising properties:** No information currently available.  
**Relative density:** 0,865 kg/l@ 20°C  
**Water solubility:** Emulsifies in water.

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### 10. STABILITY AND REACTIVITY



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Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. Hazardous polymerisation reactions will not occur.

This material is combustible.

**Materials to Avoid:**

Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:**

Thermal decomposition products will vary with conditions.

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

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### 11. TOXICOLOGICAL INFORMATION

**Similar Mineral oil**

**Oral LD<sub>50</sub> (rat):** >15000 mg/kg

**Dermal LD<sub>50</sub> (rabbit):** >5000 mg/kg

**Eyes:**

Practically non-irritant. Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

**Skin:**

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

**Ingestion:**

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

**Inhalation:**

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility.

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### 12. ECOLOGICAL INFORMATION

**Mobility:** Spillages may penetrate the soil causing ground water contamination.

**Persistence and degradability:**

This material is readily biodegradable.

**Bioaccumulative potential:**

There is no evidence to suggest bioaccumulation will occur.

**Aquatic toxicity:**

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

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### 13. DISPOSAL CONSIDERATIONS

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

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### 14. TRANSPORT INFORMATION

**U N No:** Not regulated for any mode of transport.

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### 15. REGULATORY INFORMATION

**Symbol:** None.  
Not classified as hazardous.

**Risk phrases:**  
**R22** Harmful if swallowed.

**Safety phrases:**  
**S 1/2** 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

- Similar product 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.**