



SAFETY DATA SHEET

According to EC-directive 93/112/EC

RIZOLEX 50WP

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product label name: Tolclofos-methyl, 50% wettable powder
GIFAP Code: WP
Supplier: PHILAGRO SOUTH AFRICA (PTY) LIMITED
Block 3B, 1st Floor, Sanwoodpark,
379 Queens Cres.,
LYNNWOOD 0181
Tel: (012) 3488808 Fax: (012) 3488808

Emergency Telephone Nos:

Clean up & Spill: 0800 00 58 17
Tygerberg Hospital Poison Centre: 021-931-6129

2. COMPOSITION / INFORMATION ON INGREDIENTS:

This product is to be considered as a substance in conformance to EC directives.

Information on hazardous ingredients:

Chemical description Tolclofos-methyl, 50% wettable powder

Composition / Information on ingredients:

| Number | %w/w | CAS-number | Chemical name | |
|--------|-----------|-----------------|---|---------------|
| 1 | 50.0 | 57018-04-9 | 0- (2,6-Dichloro-4-methylphenyl) -0,0-dimethyl phosphorothioate | |
| 2 | 10.0 | 7631-86-9 | Precipitated silica | |
| 3 | Balance | 61790-53-2 | Celite (diatomaceous earth) | |
| Number | Ec-number | Annex -1 number | Symbol(s) | Risk-Phase(s) |
| 1 | 260-515-3 | | N | R50/53 |
| 2 | 231-545-4 | | None | none |
| 3 | | | None | none |

Other information: Contains : <3% Cristobalite and <1% Quartz
SCAE Code: L703E

3. HAZARDS IDENTIFICATION:

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directive.

4. FIRST AID MEASURES:

Symptoms and effects: Contains : <4% Silica, crystalline in the form of Quartz and Cristobalite.
Inhalation of crystalline silica may cause silicosis. Mildly irritating to eyes.

First aid:

General - In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation - Move to fresh air. If symptoms persist, seek medical advice.
Skin - Remove contaminated clothing. Wash immediately with soap and water.
Eye: Rinse immediately and as long as possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.
Ingestion - If swallowed, give copious amounts of water to drink. Consult a physician.
Advice to physician - No specific recommendations.

PRODUCT CODE : 922221
ICS409

DATE OF ISSUE : 02/06/1998

GB English

SAFETY DATA SHEET

According to EC-directive 93/112/EC

RIZOLEX 50WP

5. **FIRE-FIGHTING MEASURES:**

| | |
|---|---|
| Extinguishing media: | dry chemical powder, carbon dioxide. |
| Unsuitable extinguishing media: | none known |
| Special exposure hazards: | none known |
| Hazardous decomposition/ combustion products | May emit toxic and irritating fumes under fire conditions. |
| Protective equipment: | Wear self contained breathing apparatus. Wear suitable protective clothing and eye/face protection. |

6. **ACCIDENTAL RELEASE MEASURES:**

| | |
|----------------------------|--|
| Personal precautions: | Do not breathe dust. Avoid contact with eyes. For personal protection see Section 8. |
| Environmental precautions: | Do not allow to escape into sewage system or water courses. |
| Methods for cleaning up: | Clean up spills immediately. Sweep up and put it into a container for disposal. (See Section 13). Rinse remnant with plenty of water. Do not allow to enter drains or water courses. |

7. **HANDLING AND STORAGE:**

| | |
|--------------------------------|--|
| Handling: | Avoid breathing dust. In case of dust formation use dust mask. Provide adequate ventilation. |
| Fire and explosion prevention: | No specific recommendations. |
| Storage requirements: | Store in a dry and cool place. Keep container in a well-ventilated place. Keep away from heat. |
| Other information: | Do not mix with water (except for the normal preparation). Avoid high temperature. |

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

| | |
|-----------------------------|--|
| Engineering controls: | Provide adequate ventilation. |
| Exposure limits: | No exposure limits have been established for this material. The following exposure limit(s) apply for: |
| Name: | |
| Precipitated silica | In this country no exposure limit has been established. |
| Celite (diatomaceous earth) | OES-TWA 6.000 mg / m ³ (total inhalable dust) |
| | OES-TWA 3.000 mg / m ³ (respirable dust) |
| Cristoballite | OES-TWA 0.400 mg / m ³ (respirable dust) |
| Personal protection: | |
| Respiratory: | In case of dust formation use dust mask. |
| Hand: | Wear protective gloves or rubber. |
| Eye: | Wear safety goggles. |
| Skin and body: | Wear suitable protective clothing. |
| Other information: | Launder clothes before re-use. |

9. **PHYSICAL AND CHEMICAL PROPERTIES:**

| | |
|---------------------------|-------------------------|
| Appearance: | fine powder |
| Colour: | pale brown |
| Odour: | slightly characteristic |
| Boiling point/range: | not available |
| Melting point/range: | not available |
| Flash point: | not applicable |
| Flammability: | not determined |
| Autoignition temperature: | not determined |
| Explosive properties: | not available |
| Explosive limits: | not determined |
| Oxidizing properties: | not relevant |
| Vapour pressure | not determined |

SAFETY DATA SHEET

According to EC-directive 93/112/EC

RIZOLEX 50WP

| | |
|--|--|
| Density | not available |
| Bulk density: | 0.2 – 0.3 g / m ^l |
| Solubility in water: | Dispersible in water |
| Solubility in other solvents: | not determined |
| pH vlaue: | acidity : <0,2% (as H ₂ SO ₄) |
| Partition coefficient n-octanol/water: | not available |
| Relative vapour density (air=1): | not relevant |
| Viscosity: | not applicabile |

10. **STABILITY AND REACTIVITY:**

| | |
|-----------------------------------|---|
| Stability: | Stable under recommended storage and handling conditions (see section 7) |
| Conditions to avoid: | Avoid high temperature. Do not mix with water. |
| Materials to avoid: | alkaline materials |
| Hazardous decomposition products: | Emits toxic and corrosive fumes under fire conditions (see also Section 5). |

11. **TOXICOLOGICAL INFORMATION:**

| | |
|------------------------|---------------------------------------|
| Name: | Tolclofos-methyl, 50% wettable powder |
| Acute toxicity: | |
| Oral LD50: | rat : >5000 mg / kg |
| Dermal LD50: | rat : >5000 mg / kg |
| Inhalation LC50: | rat (4 hours) : >13.3 mg / L |
| Irritation: | |
| Skin: | non-irritating |
| Eye: | mild irritant |
| Sensitization: | not sensitizing |

12. **ECOLOGICAL INFORMATION:**

No experimental ecological data are available on the preparation as such. The following data are applicable to the ingredient(s) listed below:

| | |
|---------------------|---|
| Name: | Tolclofos-methyl, technical grade |
| Ecotoxicity: | |
| fish: | Acute toxicity, 96h – LC50 (<i>Oncorhynchus mykiss</i>): 0.87 mg / L |
| daphnia: | Acute toxicity, 48h – EC50: (<i>Daphnia magna</i>) 48 mg / L |
| algae: | Acute toxicity, 96h – IC50: (<i>Selenastrum capricornutum</i>)>5.6 mg / L |
| Fate: | |
| Degradation biotic: | Not readily biodegradable. |
| Bioaccumulation: | Log Pow: 4.56 |

13. **DISPOSAL CONSIDERATIONS:**

| | |
|-------------------------|--|
| Product: | According to local regulations. For further advice contact manufacturer. |
| Contaminated packaging: | According to local regulations. |

14. **TRANSPORT INFORMATION:**

Land Transport:

| | | | |
|---------------------------|--|------------------------------|------|
| ADR class | 9 | ADR item number: | 12c |
| RID class | 9 | RID item number: | 12c |
| Hazard Identification No. | 90 | Substance Identification No. | 3077 |
| TREM-Card | CEFIC TEC (R)-90G02 | UN number | 3077 |
| Proper Shipping Name: | Environmentally hazardous substance, solid, n.o.s. (Contains: 50% Tolclofos-methyl) | | |

Sea Transport:

| | | | |
|------------------|------|-----------|------|
| IMO/IMDG code | | Class | 9 |
| Packing group: | III | UN Number | 3077 |
| EMS | none | MFAG | none |
| Marine pollutant | no | | |

SAFETY DATA SHEET

According to EC-directive 93/112/EC

RIZOLEX 50WP

Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
(Contains: 50% Tolclofos-methyl)

Air Transport:

ICAO-TI/IATA-DGR

Class

Proper Shipping Name:

9

Environmentally hazardous substance, solid, n.o.s.
(Contains: 50% Tolclofos-methyl)

UN number

Packing group

3077

III

SAFETY DATA SHEET

According to EC-directive 93/112/EC

RIZOLEX 50WP

15. **REGULATORY INFORMATION:**

Chemical description: Tolclofos-methyl, 50% wettable powder
GIFAP Code : WP

Labelling according to EC directives:

EC-number: See section 2

Symbols: none

R(isk) phrase(s): none

S(afety) phrase(s): S22 : Do not breathe dust

S36 : Wear suitable protective clothing

S61 : Avoid release to the environment.

Refer to special instructions / Safety Data Sheets

16. **OTHER INFORMATION:**

This information only concerns the abovementioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the users own responsibility to make sure that the information is appropriate and complete for his special use of this product.

History:

Date of printing: 09-06-1998

Revision: 0.00

Composed by: Dr D J Buckland S Tsuda