

COOPERS ENVIRONMENTAL SCIENCE (PTY) LTD

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / MISTURE AND OF THE COMPANY

1.1 Product Name: Reskol WP

1.2 Use: Farming community, Industrial, Public Health

1.3 Company Name:

Coopers Environmental Science (Pty) Ltd.

Reg. No. 2000/023667/07

P.O. Box 14374

BREDELL 1623

SOUTH AFRICA

TEL: (011) 979-4246/7

1.4 Emergency Contact Numbers:

Tygerberg Poison Centre: +2721 931 6129

Griffon Poison Information Centre - 082 446 8946

2. HAZARD IDENTIFICATION

Acute (Oral) Toxicity, category 4

Acute (Inhalation) Toxicity, category 3

Eye Irritation, category 2

Hazardous to the Aquatic Environment-Acute Hazard, category 1

Hazardous to the Aquatic Environment-Chronic Hazard, category 1



Signal word: Danger

Hazard Statement:

H302 Harmful if swallowed

H331 Toxic if inhaled

H319 Causes serious eye irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement:

P260 Do not breathe mist/vapours.

P270 Do not eat, drink, or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P311 Call a POISON CENTER or doctor/physician.

3. COMPOSITION INFORMATION ON INGREDIENTS:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
122-14-5	Fenitrothion	40 %	H301, H312, H330, H400, H410
532-02-5	Carrier 1	>6 %	H315, H319, H335
1332-58-7	Carrier 2	50 %	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

4. FIRST AID MEASURES:

- Skin contact:** Wash affected area with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing separately, Get medical attention.
- Eye contact:** Wash eyes thoroughly for 15 minutes with copious amount of water with eyelids open. Seek medical attention.
- Swallowed:** If poisoning occurs, contact a doctor. Do not give fluids or induce vomiting if person is unconscious or having convulsions. Get affected person to a doctor or hospital.
- Inhalation:** Remove victim to fresh air. If not breathing administer artificial respiration. Avoid unprotected mouth to mouth resuscitation.
GET MEDICAL ATTENTION

Note to physician:

A cholinesterase inhibitor. Treat symptomatically. In case of poisoning, use antidote immediately after establishing an open airway and respiration. Atropine injection is the preferred antidote. Oximes such as PAM protoplasm may be used in conjunction with atropine.

SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS SDS TO A MEDICAL PRACTITIONER

5. FIRE FIGHTING MEASURES:

- 5.1 Suitable Extinguishing Media:** Carbon dioxide (CO₂), dry chemical.
- 5.2 Specific Hazard During Fire:** No data available.
- 5.3 Special Protective Equipment:** Fire fighters should wear full-faced self contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal Precautions:** Wear protective gloves/protective clothing/eye protection/face protection.
- 6.2 Environmental Precautions:** Avoid release to the environment.

6.3 Method for Cleaning Up: Evacuate non essential personnel. Ventilate area. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

7. HANDLING AND STORAGE:

7.1 Storage:

Store out of reach of children and pets. Store in a cool, dry place away from sources of heat and naked flames. Store away from food, eating utensils, foodstuffs and drinking water.

7.2 Handling Precautions:

For use as directions on the label only. Wash thoroughly after application. Remove and wash contaminated clothing after use. Wash applicator, receptacles, etc., thoroughly before re-using with other materials.

Note:

During application and when cleaning equipment and protective clothing, contamination of all sources of drinking water, rivers, dams, crops or grazing shall be prevented.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Engineering Control: Local exhaust ventilation.

8.1 Individual Protection Measure: Wash hands thoroughly after handling. Use personal protective equipment as required.

8.2 Personal Protective Equipment:

Eye Protection: Wear eye protection, goggles.

Skin Protection: Wear protective gloves and protective clothing.

Respiratory Protection: Wear face protection, pesticide respiratory masks.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Off white wettable powder
Odour:	Characteristic odour
Odour Threshold:	No data available
pH:	No data available
Initial Boiling Point:	118°C at 0.07 hPa (Fenitrothion Technical)
Boiling Range:	No data available
Flash Point:	Not applicable
Evaporation Rate:	No data available
Flammability:	No data available
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapour Pressure:	No data available
Vapour Density:	No data available
Relative Density:	No data available
Solubility in Water:	Dispersible in water
Partition Coefficient Po/w:	3.3 (Fenitrothion Technical)
Auto-ignition Temperature:	No data available

Decomposition Temperature: No data available
Viscosity: No data available

10. STABILITY AND REACTIVITY:

10.1 Reactivity: No data available.
10.2 Chemical Stability: Stable under normal conditions.
10.3 Hazardous Reaction: No data available.
10.4 Condition to Avoid: Direct sunlight, heat and extreme temperature.
10.5 Incompatible Material: Alkaline material.
10.6 Hazardous Decomposition Product: No data available.

11. TOXICOLOGICAL INFORMATION:

11.1 Toxicity Fenitrothion technical :

Acute Oral LD50 : 250 mg/kg
Acute Dermal LD50: 1250 mg/kg
Acute Inhalation LC50: 378 mg/kg

11.2 Toxicity Carrier 1:

Acute Oral LD50: 13 900 mg/kg
Acute Dermal LD50: Not indicated
Acute Inhalation LC50: Not indicated

11.3 Formulated product toxicity:

Acute Oral LD50: 62 331,839 mg/kg
Acute Dermal LD50: 301 204,819
Acute Inhalation LC50: 93 440,386

12. ECOLOGICAL INFORMATION:

2.1 Toxic to bees and fish

Do not contaminate dams, rivers or streams with pesticide or used container. Puncture top, bottom and sides of empty containers, then crush and bury in an approved landfill, or bury under at least 500mm of soil in a non-crop, non-pasture area.

13. DISPOSAL CONSIDERATIONS:

13.1 Disposal of Residue

Residue to be disposed of as for toxic and flammable waste in accordance with local/national regulations. DO NOT burn.

13.2 Disposal of Used Packaging Material

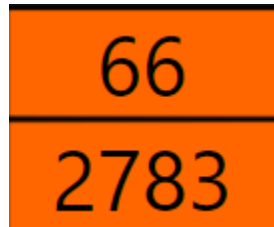
Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsing to the contents of the spray tank before disposing of the container. Empty containers to be disposed of in accordance with local/national regulations. DO NOT re-use for any other purpose. DO NOT burn. Puncture top, bottom and sides of empty containers, then crush and bury in an approved landfill, or bury under at least 500mm of soil in a non-crop and non-pasture area.

14. TRANSPORT INFORMATION:

UN No: 2783
Class: 6.1
IMDG: Yes marine pollutant
Ems: •
MFAG: 505
Subsidiary risk: .
Packing group: III
Declaration for land shipment: Organophosphorus pesticides, solid, toxic
Declaration for sea shipment: Organophosphorus pesticides, solid, toxic
Declaration for shipment by air: Organophosphorus pesticides, solid, toxic
Labels:



Hazardous Identification Number:



15. REGULATORY INFORMATION:

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

16. OTHER INFORMATION:

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.