
COOPERS ENVIRONMENTAL SCIENCE (PTY) LTD.



Material Safety Data Sheet

Revised on: 1 January 2017

Revision number 7

1. Substance/preparation and company identification

RESKOL® WP

Use: Public Health, Insecticide

Company:

Coopers Environmental Science (Pty) Ltd.

Reg. No. 2000/023667/07

P.O. Box 14374

BREDELL 1623

SOUTH AFRICA

TEL: (011) 979-4246/7

Emergency contact numbers

Tygerberg Poison Center: +2721 931 6129

Griffon Poison Information Centre - 082 446 8946

2. Composition/information on ingredients

Cas Reg No: 122-14-5

UN No: 2783

UMCO: 6.1

The product is chemically organophosphorus insecticide which is a contact insecticide with a stomach action. It is used for the control of insect pests in non-sensitive areas.

Description:

An off white, fine free-flowing wettable powder.

GCPF Code: WP

3. Hazard identification

Hazards: Primary - Organophosphorus pesticides, powder, toxic, flammable, n.o.s.

Contains: Fenitrothion.



Nature of Hazard:

Skin contact:	The product is rapidly absorbed through intact skin. Prolonged contact with the concentrate may cause irritation and redness.
Eye contact:	Concentrated product may cause irritation, redness, pain and blurred vision.
Swallowed:	The concentrate is moderately toxic. Small amounts swallowed incidental to normal handling operations may be harmful. However, swallowing larger quantities may cause serious injury or even death. If the liquid entered the lungs it may cause lung damage or even death due to pneumonia.
Inhalation:	Inhalation of excessive amount of spray may cause cholinesterase inhibition. Prolonged exposure to solvent may cause respiratory irritation and central nervous system depression.
Chronic effects:	Chronic symptoms in humans include general malaise, fatigue, headache, loss of memory and ability to concentrate. Fenitrothion is not carcinogenic, mutagenic, embryotoxic or teratogenic.

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

Flammable limits in air: Not determined

Auto ignition Temperature: Not determined

Extinguishable Media: Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer or ordinary) for large fires. Cool containers from maximum distance.

Special firefighting procedures: Fire fighters should use self-contained breathing apparatus and full turnout gear. Prevent runoff of fire-water. Avoid exposure to smoke. Stay upwind.

6. Accidental release measures

Steps to be taken if material is spilled or released:

Soak up spillage with dry sand, shovel up carefully and dispose of as for toxic waste in accordance with local and international regulations

Protective clothing to be worn when clearing spillage of the concentrate liquid.

7. Handling and storage

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.

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 controls and personal protection

Exposure standards:

Exposure limits are not available for Fenitrothion. The acceptable daily intake for Fenitrothion is 0.003 mg/kg/day.

Good general ventilation should be sufficient for most conditions.

Local exhaust ventilation may be necessary for some operations.

Respiratory Protection:

When airborne exposure guidelines and/or comfort levels may be exceeded use and approved air-purifying respirator. For emergency conditions, use and approved positive-pressure self-contained breathing apparatus.

Hand/skin Protection:

Use protective clothing impervious to this material. Selection for specific items will depend on operation.

Eye/Face Protection:

Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended.

9. Physical and chemical properties

Description: An off white, fine free-flowing wettable powder. (E)

Solubility: This product is a wettable powder.

Flash point: 36°C (open cup) 43 °C (closed cup)



10. Stability and reactivity

Corrosiveness:	N/A
Stability:	Stable
Compatibility:	Compatible with strong alkaline and oxidizing agents
Fire:	Temephos decomposes in a fire to emit fumes of SO _x and PO _x

11. Toxicological information (active ingredient)

Toxicity (technical active ingredient)

Acute oral LD ₅₀ (rat):	1.700-1.720 mg/kg
Acute dermal LD ₅₀ (rat):	810-840 mg/kg
Toxic to fish:	Yes
LC ₅₀ for bluegill sunfish:	0.002 – 0.010 mg/L(96h)
Toxic to bees:	Yes
Toxicity to birds:	Moderate to highly toxic to birds

12. Ecological information

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

Disposal of Residue

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

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

15. Regulatory information

The product is registered as L 4616 under the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, Act 36, 1947.

Hazard Symbol: Xn – Harmful

Risk Phrases: Flammable. (R10)

Harmful if swallowed. (R22)

Irritation to skin (R39)

Safety Phrases: Keep out of reach of children (S2)

Keep away from food, drink and animal feeding stuffs (S13)

When using do not eat, drink or smoke. (S20/21)

Avoid contact with skin (S24)

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. (S62)



16. Other information

Classification and labelling

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents the data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications – usage in such may cause risks not mentioned in the sheet. Do not use for other application(s) without seeking advice from manufacturer. Applicable Laws Refer to the Dangerous Substance Directive (67/548/EEC) Refer to the Dangerous Preparations Directive (88/379/EEC)

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.

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.

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