

MATERIAL SAFETY DATA SHEET

Company Details

Rentokil Initial Pty Ltd

150 Mowbray Rd

Willoughby NSW 2068 ACN 000 034 597

Emergency Telephone

(02)9370 9300

Not classified as hazardous according to criteria of NOHSC Australia.

I IDENTIFICATION

Product Name: Rentokil Pyrethrum Spray No 1 Special Insecticide

Other Names: None

Product Code: 32401

UN No: None allocated

Hazchem Code: None allocated

Dangerous Goods Class: None allocated.

Sub Risk Class: No Subsidiary Risk.

Packaging Group: None allocated

Poison Schedule: S5

Product Type: Organic liquid.

Chemical Family: Insecticide in kerosene solution.

Uses: Insecticide for use in grain storage areas and industrial buildings.

Physical appearance & Properties:

Appearance & Odour: Water white to fawn liquid. Kerosene odour.

Melting/softening point: No data. Liquid at normal temperatures.

Boiling point and vapour pressure: 200-240°C

Volatile materials: 99%

Vapour Density: 6.0 (Air=1)

Flashpoint: 80°C

Vapour Pressure: 75mm Hg at 38°C

Specific gravity: 0.72

Evaporation Rate (Butyl acetate =1) 0.01

Solubility in water: Insoluble.

Corrosiveness: Not corrosive.

Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA ₃ mg/m ³	STEL ₃ mg/m ³
Kerosene	8008-20-6	99.1	790	not set
Piperonyl Butoxide	51-03-6	0.8	not set	not set
Pyrethrins	6003-34-7	0.1	not set	not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999). Chronic exposure may lead to central nervous system depression.

Acute Effects:

Swallowed: Data suggests that the product should be considered to be moderately toxic by ingestion.

Eye: Data suggests that this product should be classified as moderately irritating to the eyes.

MATERIAL SAFETY DATA SHEET

Skin: Data suggests that the product should be classified as slightly irritating to the skin. Prolonged and repeated skin contact may cause dermatitis due to defatting effect.

Inhalation: Data suggests that the product should be considered to be slightly irritating by inhalation. May cause coughing and chest discomfort. May also lead to Central nervous system depression and loss of coordination.

Primary route of exposure is inhalation and skin and eye contact.

First Aid:

Swallowed: If swallowed, do NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Contact a doctor or Poisons Information Centre if symptoms of poisoning develop.

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If fumes or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Exposure Standards:

A TWA value of 790 but no STEL value has been established for a significant ingredient of this product. Values expressed as mg/m³. Exposure values at the STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. See ingredients section on page 1 of this data sheet.

Directions for use in Edible processing areas

All exposed prescribed goods must be removed or covered before spraying is begun and the area is cleaned by thorough washing after spraying is completed.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Respiratory Protection: A face mask or respirator should be used when this material is being used. For help in selecting suitable equipment consult AS1715.

Protective Gloves: Rubber, PVC or other protective gloves should be used, especially if product is being used frequently or for lengthy periods.

Eye Protection: Safety glasses or goggles should be used when using this product.

Clothing: Clean overalls should be worn, preferably with an apron.

Safety Boots: No special measures.

Flammability Limits: Upper: 7.0%, Lower: 0.6%

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Storage & Transport:

No special precautions. This product does not have a UN Number.

This material is classed as a S5 Poison. Observe appropriate state regulations for storage, transport and sale.

Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

Issued by: Rentokil Initial Pty Limited

Product: Rentokil Pyrethrum Spray No 1 Special Insecticide

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Page 2 of 3

Revised: September, 2000

MATERIAL SAFETY DATA SHEET

Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. Call Fire Brigade or emergency services. Wear full protective clothing including face mask, face shield and gauntlets. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for disposal. After spills, wash area, preventing runoff from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: 80°C

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

Special Fire fighting procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire & Explosion hazards: Decomposition products are toxic. There is a minor risk of an explosion from this product if involved in a fire. Heat may cause violent rupture of containers if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

Contact Points:

Police and Fire Brigade:

Dial 000

If ineffective:

Dial 1100 (Exchange)

For emergency response:

Dial (02)9370 9300

National Poisons Information Centre:

Dial 13 1126 (from anywhere in Australia)

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