

MATERIAL SAFETY DATA SHEET

COOPEX® Residual Insecticide

Date of Issue: October 10, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Coopex® Residual Insecticide
Other names: None
Product code: AE F032639 00 WP25 A1
SAP Product code: 131695 (20x25 g), 175218 (1kg)
Recommended use: A general purpose insecticide for use in commercial and domestic situations
Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn Victoria 3123, Australia
Telephone: (03) 9248 6888
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6888
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOOD

May irritate eyes and skin. Not flammable.

Hazard designation: Not classified as hazardous according to criteria of Worksafe Australia.
Risk phrases: Not applicable
Safety phrases: Not applicable
ADG classification: Not Dangerous Goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Schedule 5 (Standard for the Uniform Scheduling of Drugs and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Permethrin 25:75	[52645-53-1]	250
Amorphous silica	[61790-53-2]	590
Other ingredients	(non hazardous)	160

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4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

- Inhalation:** If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.
- Skin contact:** Wash off skin immediately with soap and plenty of water. Seek medical advice if irritation persists. Launder contaminated clothing before re-use.
- Eye contact:** Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek medical advice.
- Ingestion:** Seek immediate medical advice.
- First Aid Facilities:** Provide an eyewash station in the production workplace.
- Symptoms:** This product contains the synthetic pyrethroid permethrin, symptoms of exposure are likely to be limited to minor irritation unless considerable quantities have been consumed.
- Medical attention:** Skin and eye contamination may cause local paraesthesia, which may be painful, but is usually transient, resolving in 24 hours. Vitamin E or other creams may be applied to skin. There is no specific antidote. Treat symptoms. Atropine is contraindicated.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Foam, dry chemical or water spray. Do not use water jet from fire hose.
- Hazards from combustion products:** The product is not flammable but fire will produce hydrogen chloride gas.
- Precautions for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Avoid creating dust. Sweep up into sealable containers for disposal in accordance with applicable local, state and federal regulations.

7. HANDLING AND STORAGE

- Handling:** Keep out of reach of children. Avoid contact with eyes and skin.
- Storage:** Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards:	Worksafe Australia exposure standard for amorphous silica – 10 mg/m ³ - inspirable fraction.
Engineering controls:	Control process conditions to avoid contact. Use local exhaust ventilation.
Personal Protective Equipment:	Eyes: Avoid contact with the eyes. Wear safety goggles or a face shield when handling product, preparing and using spray.
	Clothing: Avoid contact with skin. Wear suitable protective clothing. Protective clothing must be stored separately from private clothing.
	Gloves: Avoid contact with the skin. Wear elbow-length PVC or nitrile gloves.
	Respiratory: Do not inhale dust. Wear a disposable respirator to prevent inhalation.
	Other: Wash thoroughly after handling. Do not eat, drink or smoke until after washing. After each day's use wash gloves, goggles or face shield and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Buff-coloured powder
Odour:	Mild aromatic odour
Vapour pressure:	Negligible
Vapour density:	Not available
Boiling point:	Not applicable
Freezing/melting point:	Not applicable
Solubility:	Forms a Suspension in water
Density:	Not applicable
pH:	
Flash Point:	Not available – not flammable
Flammability (explosive) limits:	Not applicable
Auto-ignition temperature:	Not applicable
Octanol/water partition coefficient:	Not available
Formulation:	Wettable Powder

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10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Hazardous polymerisation:	None
Conditions to avoid:	Avoid iron, alloys, oxidisers, strong acids and halogens.
Incompatible materials:	Not available
Hazardous decomposition products:	Fire will produce hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation:	Inhalation of powder or spray may produce respiratory irritation.
Skin contact:	Mild irritant to the skin. The product or spray should not be allowed to come into contact with the skin.
Eye contact:	Mildly irritating. The product or spray should not be allowed to contact the eyes.
Ingestion:	Harmful if swallowed.
Other:	None

ANIMAL TOXICITY DATA:

Acute:

Oral toxicity:	LD ₅₀ rat: 1479mg/kg (Permethrin 25:75 in corn oil)
Dermal toxicity:	LD ₅₀ rabbit: > 2000 mg/kg (permethrin)
Inhalation toxicity:	LC ₅₀ rat: > 133 mg/L (Product)
Skin irritation:	Not irritating – rabbit
Eye irritation:	Slightly irritating – rabbit
Sensitisation:	Not sensitising - guinea pig

Chronic:

Permethrin is not mutagenic, teratogenic or carcinogenic.

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12. ECOLOGICAL INFORMATION

Fish toxicity: Permethrin is toxic to fish and aquatic organisms.

Daphnia toxicity: Not available

Toxicity to algae: Not available

Bird toxicity: Not Available

Bee toxicity: Permethrin is toxic to bees.

Other: Permethrin is toxic to reptiles.

Environmental fate, persistence and degradation: Permethrin degrades rapidly in soil and water.

13. DISPOSAL CONSIDERATIONS

Follow Avcare guidelines. Rinse containers before disposal and add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Dispose of the containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping name: Not applicable

Class and Subsidiary Risk: Not classified as a dangerous good.

Packing Group: Not applicable

EPG: Not applicable

Hazchem code: Not applicable

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority approval number: 32843

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16. OTHER INFORMATION

Trademark

information: Coopex® is a Registered Trademark of Bayer

Preparation**information:**

Replaces July 16, 2001 edition.

Reason for update: Conversion to 16 heading format.

Data sources:

Bayer CropScience Pty. Ltd. – Product Safety Data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

END OF MSDS