

MATERIAL SAFETY DATA SHEET

COOPEX® Insecticidal Dusting Powder Industrial Strength

Date of Issue: October 10, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: COOPEX® Insecticidal Dusting Powder
Industrial Strength

Other names: None

Product code: AE F032639 00 DP01 A3

SAP Product code: 131644 (10 kg)

Recommended use: A ready-to-use insecticidal dusting powder

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

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Contact: Technical Manager (03) 9248 6854

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 hazardous according to criteria of Worksafe Australia.

Risk phrases: Harmful if swallowed

Safety phrases: Not applicable

ADG classification: Not classified as dangerous goods.

SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Permethrin 25:75	[52645-53-1]	10
Other ingredients	(non hazardous)	990

Note: Mineral talc is used as the dust carrier for this product – the talc used in manufacture contains no asbestos fibres.

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.

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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 medical advice.
First Aid Facilities:	Provide an eyewash station in the production workplace.
Symptoms:	No specific symptoms to be expected. This product contains the synthetic pyrethroid permethrin.
Medical attention:	There is no specific antidote. Treat symptoms.

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

Spills

Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards:	No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia).
Engineering	Control process conditions to avoid contact. Use local exhaust ventilation.

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controls:

Personal Protective Equipment:	Eyes:	Avoid contact with the eyes.
	Clothing:	Avoid contact with skin. Wear suitable protective clothing. Protective clothing must be stored separately from private clothing.
	Gloves:	Avoid contact with skin. Wear rubber gloves.
	Respiratory:	Do not inhale dust. Wear an approved respirator to prevent inhalation, if other control measures are inadequate.
	Other:	Wash thoroughly after handling. Do not eat, drink or smoke until after washing. After each day's use wash gloves and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odour:	No detectable odour
Vapour pressure:	Negligible
Vapour density:	Not available
Boiling point:	Not available
Freezing/melting point:	Not available
Solubility:	Practically insoluble
Density:	Not applicable
pH:	
Flash Point:	Not available
Flammability (explosive) limits:	Not available
Flammability:	Not flammable
Auto-ignition temperature:	Not available
Octanol/water partition coefficient:	Not available
Formulation:	A ready to use insecticidal dusting powder

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:	Iron, alloys, oxidisers, strong acids and halogens.
Hazardous decomposition:	Not available

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11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

- Inhalation:** Inhalation of dust may produce respiratory irritation.
- Skin contact:** Mild irritant to the skin. The material should not be allowed to come into contact with the skin.
- Eye contact:** Mildly irritating. The material should not be allowed to contact the eyes.
- Ingestion:** The product is of low toxicity.
- Other:** None

ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute:

- Oral toxicity:** LD₅₀ rat 1479(mg/kg) (Permethrin 25:75 in corn oil)
- Dermal toxicity:** LD₅₀ Rabbit >2000 (mg/kg)
- Inhalation toxicity:** LC₅₀ Rat >2.3(mg/m³) 4 hour in air
- Skin irritation:** Mild irritant – rabbit
- Eye irritation:** Irritant – rabbit
- Sensitisation:** Moderate skin sensitiser – guinea pig

Chronic:

Permethrin is not mutagenic, teratogenic or carcinogenic. In animal tests permethrin was a moderate skin sensitiser.

12. ECOLOGICAL INFORMATION

- Fish toxicity:** Permethrin is toxic to fish and aquatic organisms
Permethrin degrades rapidly in soil and water.
- Daphnia toxicity:** Not available
- Toxicity to algae:** Not available
- Bird toxicity:** Not available

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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. Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Break, crush or puncture empty containers and bury in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit. 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 "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

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: 33210

16. OTHER INFORMATION

Trademark information: Coopex® is a Registered Trademark of Bayer.

Preparation information: Replaces July 16, 2001 edition.

Preparation information: Reason for update: Conversion to 16 heading format.

Data sources: Bayer CropScience Pty Ltd product safety data and published 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.

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END OF MSDS