

Bayer Environmental Science  
Material Safety Data Sheet  
Coopex® Insecticidal Dusting Powder Industrial Strength



Version / AUS  
102000014032

Revision Date: 20.07.2011

**SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product name: **Coopex® Insecticidal Dusting Powder Industrial Strength**  
Other names: None  
Product code (UVP): 06068847  
Recommended use: Insecticide  
  
Chemical formulation: Dustable powder (DP)  
  
Company: Bayer Environmental Science  
A Business Operation of Bayer CropScience Pty Ltd  
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**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**  
HAZARDOUS SUBSTANCE DANGEROUS GOODS

Hazardous classification: Hazardous (National Occupational Health and Safety Commission - NOHSC)  
R-phrases: R43 - May cause sensitization by skin contact.  
S-phrases: See sections 4, 5, 6, 7, 8, 10, 12, 13.  
ADG Classification: Not a "Dangerous good" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Coopex Insecticidal Dusting Powder is a MARINE POLLUTANT. See Section 14.  
SUSMP classification (Poison Schedule): Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature: Permethrin 25:75 10g/L

Chemical Name	CAS-No.	Concentration [%]
Permethrin	52645-53-1	1.06
Talc	14807-96-6	0.88
Other ingredients (non-hazardous) to 100 %		



#### SECTION 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 the doctor.**

##### Inhalation

Keep patient warm and at rest. If symptoms persist, call a physician. Oxygen or artificial respiration if needed.

##### Skin contact

Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

##### Ingestion

Rinse mouth. Do NOT induce vomiting. Keep patient warm and at rest. Obtain medical attention.

##### Notes to physician

##### Symptoms

The following symptoms may occur: Prolonged and repeated contact with skin, eyes or mucous membranes may cause irritation. Burning sensation, cough, sneezing, respiratory disorder, pulmonary oedema, nausea, vomiting, diarrhoea, abdominal pain, salivation, dizziness, blurred vision, headache, anorexia, somnolence, coma, seizures, convulsions, tremors, ataxia, muscular fasciculation.

##### Treatment

Treat symptomatically.  
Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.  
There is no specific antidote.  
Monitor: respiratory and cardiac functions.  
ECG - monitoring (Electrocardiogram).  
Contraindication: atropine.

#### SECTION 5. FIRE FIGHTING MEASURES

##### Suitable extinguishing media

Foam  
Dry powder  
Water spray

##### Extinguishing media which should not be used for safety reasons

High volume water jet

##### Hazards from combustion products

In the event of fire the following may be released:  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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#### Precautions for fire-fighting

Wear self-contained breathing apparatus and protective suit.  
Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Whenever possible, contain fire-fighting water by diking area with sand or earth.

Hazchem Code 2Z

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment.  
Avoid contact with spilled product or contaminated surfaces.  
Keep unauthorized people away.  
An emergency shower must be readily accessible to the work area.

#### Environmental precautions

Do not allow to get into surface water, drains and ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### SECTION 7. HANDLING AND STORAGE

#### Handling

Hygiene measures:  
Avoid contact with skin, eyes and clothing.

#### Storage

Requirements for storage areas and containers:  
Keep out of the reach of children.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from direct sunlight.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Permethrin	52645-53-1	10 mg/m <sup>3</sup> (TWA)		OES BCS

#### Personal protective equipment - End user

Respiratory protection: Disposable dust mask.  
Hand protection: Rubber gloves.  
Skin and body protection: Long-sleeved shirt and long pants.

#### Engineering controls

Advice on safe handling:  
Ensure adequate ventilation.  
Avoid contact with skin, eyes and clothing.



**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form: Powder  
Colour: No data available  
Odour: No data available

**Safety data**

pH: No data available  
Flash point: No data available  
Ignition temperature: No data available  
Upper explosion limit: No data available  
Lower explosion limit: No data available  
Vapour pressure: No data available  
Relative vapour density: No data available  
Density: No data available  
Water solubility: No data available  
Partition coefficient: n-octanol/water: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid: Iron  
Oxidizing agents  
Strong acids  
Halogenated compounds

Hazardous decomposition products: Thermal decomposition can lead to release of:  
Hydrogen chloride (HCl)  
Carbon oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential health effects**

Inhalation: Dusts may cause upper respiratory tract irritation, coughing.  
Skin: May cause irritation. Avoid contact with skin.  
Eye: May cause mild irritation to eyes.  
Ingestion: Low acute oral toxicity.  
Acute oral toxicity: LD<sub>50</sub> (rat): 1479 mg/kg  
The value mentioned relates to the active ingredient permethrin.

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Acute dermal toxicity:	LD <sub>50</sub> (rabbit): > 2000 mg/kg The value mentioned relates to the active ingredient permethrin.
Inhalation toxicity:	LC <sub>50</sub> (3 hr) (mice and rats) >685 mg/m <sup>3</sup> air The value mentioned relates to the active ingredient permethrin.
Skin irritation:	Mild irritant (rabbit). The value mentioned relates to the active ingredient permethrin.
Eye irritation:	Mild irritant (rabbit). The value mentioned relates to the active ingredient permethrin.
Sensitisation:	Not a skin sensitiser. The value mentioned relates to the active ingredient permethrin.

**Further information**

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae.  
However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish:	LC <sub>50</sub> (Guppy ( <i>Poecilia reticulata</i> )) 0.0076 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient permethrin.
Toxicity to aquatic invertebrates:	EC <sub>50</sub> (Water flea ( <i>Daphnia magna</i> )) 0.00017 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient permethrin.
Toxicity to aquatic plants:	EC <sub>50</sub> ( <i>Selenastrum capricornutum</i> ) 0.497 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient permethrin.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Metal drums and plastic containers**

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty 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.

**SECTION 14. TRANSPORT INFORMATION**

**ADG**

UN-Number	3077
Class	9
Subsidiary Risk	None
Packaging group	III

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Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)
Hazchem Code	2Z

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

#### IMDG

UN-Number	3077
Class	9
Subsidiary Risk	None
Packaging group	III
EmS	F-A , S-F
Marine pollutant	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

#### IATA

UN-Number	3077
Class	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE )

#### SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 33210.

See also Section 2.

#### SECTION 16. OTHER INFORMATION

##### Trademark information

Coopex® is registered trademark of Bayer.

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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Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF MSDS