



Bayer Environmental Science

COOPEX INSECT POWDER

Version 1

Revision Date 11.12.2002

GB

102000002462

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Trade name : COOPEX INSECT POWDER

Product code : AE F032639 00 DP01 A1

Product code : D086

Specification : 21249

Usage : insecticide

Company : Bayer Environmental Science
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2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Dustable powder (DP), contains:
Permethrin 0.5%

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrased(s)	Concentration [%]
Permethrin	52645-53-1	Xn	R22	0.53
Magnesite	546-93-0			> 25.00 - < 50.00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

No particular hazards known.

4. FIRST AID MEASURES

General advice : Remove contaminated, soaked clothing immediately and dispose of safely.

Inhalation : Move the patient to fresh air and keep at rest. If symptoms persist, call a physician.



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- Skin contact : Wash off immediately with soap and plenty of water. After skin contact: Apply Vitamin E cream or simple toilet milks. When symptoms persist or in all cases of doubt seek medical advice.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : Do not induce vomiting. Wash out mouth with water. Keep at rest. Obtain medical attention.

Notes to physician

- Symptoms : Local:, After skin contact: Paresthesia (local)., May cause skin and eye irritation., Inhalation may provoke the following symptoms:, irritation
- Symptoms : Systemic:, Excitement, gastrointestinal discomfort, tremor, Dizziness, headache, listlessness, nausea and vomiting, epigastric pain, muscular fasciculation of limbs, unconsciousness, convulsions and coma (very high doses).
- Risks : This product/preparation contains a pyrethroid.
Must NOT be confused with organophosphorus compounds!
- Treatment : Local treatment:
Initial treatment should be symptomatic and supportive.
After eye contact: Instillation of local anaesthetic drops e.g. 1% Amethocaine Hydrochloride eye drops. Give Analgesics as necessary.
- Treatment : Systemic treatment:
Endotracheal intubation should be done and gastric lavage performed, followed by administration of charcoal.
Monitoring of respiratory and cardiac functions.
ECG - control (Electrocardiogram)
Check for pulmonary oedema in event of inhalation.
Keep airway clear, administer artificial respiration as necessary.
Against convulsions: Give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
There is no specific antidote.
Contraindication: atropine
Contraindication: derivatives of adrenaline
Recovery: Spontaneous.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : water spray jet
carbon dioxide (CO₂)
dry powder
foam
- Extinguishing media which must not be used for safety : Product itself is non-combustible; fire extinguishing measures to suit surroundings.



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reasons

Specific hazards during fire fighting : In case of fire the evolution of dangerous gases is possible.

Special protective equipment for fire-fighters : In the event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid dust formation. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.

Environmental precautions : Keep people and animals away. Do not discharge into the drains/surface water/groundwater. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

Methods for cleaning up : Vacuum up spilled product. Transfer collected material to heavy duty plastic drums and keep safe for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice : Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13. Check also for any local site procedures.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion : The product is not combustible.

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Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in a place accessible by authorized persons only.

Further information on storage conditions : Protect against heat and direct sunlight
Protect against moisture.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Storage temperature : 0 - 30 °C

Suitable materials : Keep in original packaging, tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of substances Hazardous to Health Regulations 1999 as amended). Engineering controls should be used in preference to personal protective equipment wherever practicable.

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Magnesite	546-93-0	10 mg/m ³ (TWA)	2001	EH40 OES
		4 mg/m ³ (TWA)	2001	EH40 OES

Personal protective equipment

Respiratory protection : Dust mask

Hand protection : Chemical resistant gloves
PVC gloves
nitrile gloves

Eye protection : Chemical resistant goggles must be worn.

Skin and body protection : Light protective clothing, PVC
PVC boots

Hygiene measures : When using, do not eat, drink or smoke.
Remove soiled clothing immediately.
Remove soaked clothing immediately.
Clean hands and face at work intervals and after work.
Work in an adequately ventilated room.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : powder



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Colour	: grey white
Safety data	
Bulk density	: 630 kg/m ³
Water solubility	: Note: insoluble
Partition coefficient (n-octanol/water)	: log Pow: 5.95 Note: The value mentioned relates to the active ingredient permethrin.
Other information	: The product is not combustible.

10. STABILITY AND REACTIVITY

Conditions to avoid	: Note: Extremes of temperature and direct sunlight.
Materials to avoid	: None
Hazardous reactions	: No hazardous reactions when stored and handled according to prescribed instructions. Note: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD ₅₀ (rat) > 5,000 mg/kg Test substance: Test conducted with a similar formulation.
Acute inhalation toxicity	: LC ₅₀ (rat) > 2,300 mg/l Exposure time: 4 h Test substance: Test conducted with a similar formulation.
Acute dermal toxicity	: LD ₅₀ (rabbit) > 30,000 mg/kg Test substance: Test conducted with a similar formulation.
Skin irritation	: rabbit Result: slightly irritant Test substance: Test conducted with a similar formulation.
Eye irritation	: rabbit Result: slightly irritant Test substance: Test conducted with a similar formulation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	: LC ₅₀ : 0.0076 mg/l Guppy (<i>Poecilia reticulata</i>) Exposure time: 96 h
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	Test substance: The value mentioned relates to the active ingredient permethrin.
Toxicity to daphnia	: EC50: 0.00017 mg/l Water flea (Daphnia magna) Exposure time: 48 h Test substance: The value mentioned relates to the active ingredient permethrin.
Toxicity to algae	: EC50: 0.5 mg/l Algae Exposure time: 72 h Test substance: The value mentioned relates to the active ingredient permethrin.
Toxicity to other organisms	: LD50: > 13,500 mg/kg Japanese quail Test substance: The value mentioned relates to the active ingredient permethrin.

13. DISPOSAL CONSIDERATIONS

Product	: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority Can be landfilled or incinerated, when in compliance with local regulations. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
Contaminated packaging	: Packaging that cannot be cleaned should be disposed of as product waste. Empty containers can be landfilled, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

ADNR	: Not dangerous goods
ADR	: Not dangerous goods
IATA	: Not dangerous goods
IMDG	: Not dangerous goods



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CDG CPL : Not dangerous goods

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3.

Hazardous components which must be listed on the label:

- Permethrin

Exceptional labelling of special preparations : Restricted to professional users.
To avoid risks to man and the environment, comply with the instructions for use.

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

S-phrase(s) : S36 Wear suitable protective clothing.

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 2:
R22 Harmful if swallowed.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version will be highlighted in the margin. This version replaces all

SAFETY DATA SHEET according to EC Directive 2001/58/EC

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previous versions.