

**COOPEX INSECT POWDER DP0,5 1X4KG BUC GB**

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Version 2 / F
102000002462

Revision Date: 30.09.2005

Print Date: 15.02.2006

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

Trade name	COOPEX INSECT POWDER DP0,5 1X4KG BUC GB
Product code (UVP)	05937639
Product code	AE F032639 00 DP01 A1
Product code (EXP)	D086
Specification	21249
Usage	insecticide
Company	Bayer Environmental Science 16, rue Jean-Marie Leclair 69009 Lyon France
Emergency telephone number	+33(0)4.72.85.25.25
Telefax	+33(0)4.72.85.27.99
Numéro INRS	+33(0)1.45.42.59.59

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Dustable powder (DP)
Permethrin 0.5%**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Permethrin	52645-53-1 258-067-9	Xn, N	R20/22, R43, R50/53	0,53
Magnesium carbonate	546-93-0 208-915-9			> 25,00 - < 50,00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment****||** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**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.

Skin contact

Take off all contaminated clothing immediately. 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.



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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, cough

Symptoms

Systemic: excitement, gastrointestinal discomfort, tremors, 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 - monitoring (Electrocardiogram).
Check for pulmonary oedema in event of inhalation.
Keep airway clear, administer artificial respiration if 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
carbon dioxide (CO₂)
dry powder
foam

Extinguishing media which must not be used for safety reasons

Product itself is non-combustible; fire extinguishing measures to suit surroundings.

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.



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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 diking area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from and upwind of spill/leak.

Avoid dust formation.

Avoid contact with spilled product or contaminated surfaces.

When dealing with a spillage do not eat, drink or smoke.

Environmental Precautions

Do not discharge into the drains/surface water/groundwater.

Methods for Cleaning Up

Use approved industrial vacuum cleaner for removal.

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.

Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

The product is not combustible.

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.

Keep away from heat.

Keep away from direct sunlight.

Protect against moisture.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage temperature 0 - 30 °C

Suitable materials

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Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Magnesium carbonate	546-93-0	10 mg/m ³ (VME)	2003	INRS (FR)

Personal protective equipment

Respiratory Protection Wear respirator conforming to EN149FFP1.

Hand Protection Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

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 protective 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
Colour grey white**Safety data**Bulk Density 630 kg/m³

Water Solubility insoluble

Other Information The product is not combustible.

10. STABILITY AND REACTIVITY

Conditions to Avoid Extremes of temperature and direct sunlight.

Materials to avoid None.

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Hazardous Reactions No hazardous reactions when stored and handled according to prescribed instructions.
Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 5.000 mg/kg Test conducted with a similar formulation.
Acute Inhalation Toxicity	LC50 (rat) > 2.300 mg/l Exposure time: 4 h Test conducted with a similar formulation.
Acute Dermal Toxicity	LD50 (rabbit) > 10.000 mg/kg Test conducted with a similar formulation.
Skin Irritation	Slight irritant effect - does not require labelling. (rabbit) Test conducted with a similar formulation.
Eye Irritation	Slight irritant effect - does not require labelling. (rabbit) Test conducted with a similar formulation.
Sensitization	non-sensitizing. (guinea pig) Information given is based on data on the components and the toxicology of similar products.

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).

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to Fish	LC50 (Guppy (Poecilia reticulata)) 0,0076 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient permethrin.
Toxicity to daphnia	EC50 (Water flea (Daphnia magna)) 0,00017 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient permethrin.
Toxicity to algae	EC50 (Selenastrum capricornutum) 0,497 mg/l Exposure time: 96 h 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.

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Contaminated packaging

Rince empty containers and dispose of them through the ADIVALOR collection organization or another specific collection system. Smaller packagings (consumer products) can also be disposed of through the cost-free Dual Collection System (Green Dot).

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-No	3077
Labels	9
Packaging group	III
Hazard no.	90
Description of the goods	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

IMDG

UN-No	3077
Class	9
Packaging group	III
EmS	F-A , S-F
Marine pollutant	Marine pollutant
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

IATA

UN-No	3077
Class	9
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification:

Labelling according to EEC Directive

Hazardous components which must be listed on the label:

- Permethrin

Symbol(s)

N**Dangerous for the environment**

R-phras(e)s

R50/53**Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**



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S-phrase(s)

||| **S35** This material and its container must be disposed of in a safe way.
||| **S57** Use appropriate container to avoid environmental contamination.

Exceptional labelling

||| **To avoid risks to man and the environment, comply with the instructions for use.**
||| **Contains permethrin. May produce an allergic reaction.**

Further information

WHO-classification: III (Slightly hazardous)

Législation des Installations Classées pour la Protection de l'Environnement (Loi du 19/07/76 modifiée et Décret du 07/07/92)

Rubrique n° 1172 : Stockage et emploi de substances dangereuses pour l'environnement (très toxiques pour les organismes aquatiques)

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 2:

R20/22 Harmful by inhalation and if swallowed.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided in this safety data sheet has been provided according the requirements from the French modified decree "arrêté du 5 janvier 1993". This sheet complements the technical sheet but does not replace it. The information contained in this sheet is based on knowledge of the product at the date of publication and is given in good faith. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The user is fully responsible for taking all the necessary precautions whilst using the product. The aim of the statutory regulations indicated is to help the user to fulfil his obligations regarding the use of hazardous products. This list should not be considered as exhaustive. It does not exonerate the user from fulfilling other existing legal obligations in addition to those mentioned, relating to the use and storage of the product. This remains solely the responsibility of the user.

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