

P-METHRINE 10EC

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Company: CHEMICAL TREATMENT COMPANY - COTCHIM -

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2. IDENTIFICATION OF RISKS

Symbol and letter of identification



Xn.nocif



N.Dangereux for the environment

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact

R50 / 53 Very toxic to aquatic organisms, may cause effects
Long-term harmful to the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking skin.

Precautionary statements

S13 : Keep away from food and drinks including those for animals.

S24 : Avoid contact with the skin.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 : Wear suitable gloves.

S57 : Use a suitable container to prevent environmental contamination.

S60 : Dispose of the product and / or its container as a hazardous waste.

S61 : Avoid release to the environment.

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3. COMPOSITION / INFORMATION ON COMPONENTS

Trade Name: P-METHRINE 10 EC

Nature of the product:

Emulsifiable Concentrate Insecticide (EC)

Permethrin 100g / l

Composition:

Chemical name	CASE No.	EC No.	Classification	Concentration[g/l]
Permethrin, (1RS) -cis, trans-3- (2,2-dichlorovinyl) -2,2 diméthylcyclopropanecarboxy 3-phenoxybenzylate late	52645 -53-1	258 - 067 -9	N, Xn, R20/22, R43,R50/53	100
Solvent	----	----	----	-----

4. FIRST AID

Instructions for the doctor

Symptomatic treatment after contamination

Local contaminations;

Skin : Applied cream with vitamin E or toilet milk;

Eyes : Instilled anesthetic drops in the eyes (1% methocaine hydrochloride);

Give painkillers if necessary;

May cause severe pain Systemic poisoning;

Respiratory and cardiac support

Observations of specific parameters

Electrocardiogram, search for pulmonary edema if inhaled;

Gastric lavage: administration of activated charcoal;

Endotracheal intubation, artificial respiration, if necessary,

Elimination by dialysis and transfusion;

Anti-convulsive care: diazepam i.v;

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Against indications

1. Adrenergic compounds.

2. Atropine;

Spontaneous healing.

Do not confuse with an organophosphorus compound.

Inhalation

Breathe fresh air;

Keep the person calm;

Seek immediate medical attention

Skin contact

Remove all soiled clothing and shoes

Wash with water and soap, rinse with plenty of water;

Seek immediate medical attention

Eye contact

Rinse immediately with clear water for at least 15 minutes.

Consult an ophthalmologist immediately.

Ingestion

Rinse mouth with water

Do not induce vomiting

Give water to drink

Keep the person calm

Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Powder, foam, water spray, CO₂.

Unsuitable extinguishing media

Water jet stick.

Special hazards

In case of fire, emission of toxic gases and irritating vapors.

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Special protective equipment

Wearing a self-contained breathing apparatus (closed rooms).

Other recommendations

Cool containers exposed to radiation with water;

Keep exposed packaging away if it is safe;

Avoid the release of extinguishing water into the environment;

Do not inhale fumes.

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL DISPERSION

Individual precautions

Keep people away from the point of flow / leak and against wind.

Avoid contact with spilled material or contaminated surfaces.

Do not eat, drink or smoke while working on a product spill.

Precautions for the protection of the environment

Do not flush into surface water, sewer and groundwater.

Cleaning method

Keep in suitable, closed containers for disposal.

Absorb with an inert agent (sand, silica gel, acid binder, universal binder).

Clean soil and soiled objects with plenty of water.

7. HANDLING AND STORAGE

Handling

Collective protection measures

Suction ventilation at the vapor formation points.

Provide eyewash and sanitary facilities near the workplace.

Special precautions

Wash hands and exposed skin with soap after handling.

Storage

Storage temperature : Ambient temperature.

Low temperature to avoid : Protect from frost (reversible formation of crystals)

Special storage measures : Keep away from food and drink.

Storage Location : Store in a cool, well-ventilated area.

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Recommended packaging materials : Painted steel, HDPE.

Packaging provided by the supplier : Interior varnish drum.

Incompatible materials in storage : Not known.

Other recommendations

Keep only in the original packaging.

Do not reuse empty containers.

Respect the recommended stacking heights.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control settings

Exposure Limit Value (TLV): 300 ppm (solvent).

Personal protective equipment

Respiratory protection : Wearing a filter respirator (type A2P3)

Hand protection : Wear solvent resistant gloves.

Eye protection : Wearing protective glasses of the panoramic type.

Skin and body protection : Wear protective clothing.

Specific hygiene measure : Ensure good ventilation of the work premises.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect

Form : Liquid

Color : Yellow

Odor : Aromatic

Security data

Density : 0.87 at 20 ° C

Solubility in water : Emulsifiable

PH : 3.5 - 4.5

Flash point : 64 ° C

Upper explosion limit : 7.0% (v)

Lower explosion limit : 0.6% (v)

Flammability : Combusti

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10. STABILITY AND REACTIVITY

Decomposition / Combustion Product

No hazardous decomposition products known under normal conditions of use and storage.

Conditions to avoid

Keep away from heat and incandescent sources.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Toxicological evaluation performed on a similar composition:

LD 50 oral / rat: 8300 mg / kg (male), 4930 mg / kg (female)

LD 50 dermal / rat: > 8300 mg / kg.

Irritating Power

Skin irritation (rabbit): non-irritating

Eye irritation (rabbit): non-irritating.

Sensitization

Due to the presence of solvent in the preparation, repeated and prolonged cutaneous contact may cause dermatoses.

Chronic toxicity

Permethrin: Christmas = 10 mg / kg / day

Comments and symptomatology

The presence of solvents in the preparation may cause lung damage if swallowed.

Risk of transient sensation (a few hours, maximum 24 hours) of burning or stinging, in the face and mucous membranes, without skin lesions.

12. ECOLOGICAL INFORMATION

Environmental Protection

Do not discharge into drains or the environment, dispose of this product in an approved waste collection center.

Dangerous for bees and other pollinating insects.

Ecotoxicity

Permethrin 25/75 technique:

Trout LC50 (96 h): 0.019mg / l.

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EC50 daphnia (48 h): 0.002 mg / l.

13. CONSIDERATION RELATED TO ELIMINATION

Product

Subject to the regulations in force and, where appropriate, after agreement with the collection service and the competent authorities, the product may be transported to a landfill or incineration plant.

Contaminated packaging

Containers to rinse 3 times.

Do not reuse empty containers.

Containers that have not been completely emptied must be disposed of as hazardous waste.

Waste disposal code

020108 agrochemical waste containing dangerous substances.

14. TRANSPORT INFORMATION

UN number : 3082
14-1.A.D.R. (Road)

Transport Assimilation : Environmentally hazardous material, liquid, n.s.a (Permethrin)
Class : 9
Enumeration number : M6
Label : 9
Hazard Code : 90
14-2. O.A.C.I. (Air)

Transport Assimilation : Environmentally hazardous substance, liquid, n.o.s. (Permethrin)
Class : 9
Group : III
Label : 9
Passenger : 914 (Unlimited)
Cargo : 914 (Unlimited)
14-3. I.M.D.G. (Maritime)

Transport Assimilation : Environmentally hazardous substance, liquid, n.o.s. (Permethrin)
Class : 9
Group : III, page 9028
Label : 9
Brand : Marine pollutant.

15. REGULATORY INFORMATION

This mixture does not fall within the scope of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer.

This mixture does not fall within the scope of Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117 / EEC.

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This mixture does not fall within the scope of Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 on the export and import of dangerous chemicals.

This mixture is not subject to any special provisions concerning the protection of human health or the environment at Community level.

This mixture is classified under the ICPE regulation (Installation classified for Environmental Protection) :

- 1172 - Storage and use of substances or preparations dangerous for the environment, very toxic.

16. OTHER INFORMATION

R20 / 22: Harmful by inhalation and if swallowed.

R36: Irritating to eyes.

H302: Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation.

H332: Harmful by inhalation.

H335: May irritate the respiratory tract.

H400: Very toxic to aquatic organisms.

H410: Very toxic to aquatic life with long lasting effects

UEH066: Repeated exposure may cause skin dryness or cracking.