

CYPROD 250 EC

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

Classification: Harmful: may cause lung damage if swallowed. Very toxic to aquatic organisms.

The product may be irritating to the eyes, skin and respiratory tract.

Pyrethroids are not very toxic to humans, but ingestion of a large amount of the product may affect the central nervous system. Paresthesia, hyperexcitability, tremors may occur after blockage of nerve transmission caused by pyrethroids.

Precautionary statements

S23: Do not breathe gas / vapor / fumes / spray (appropriate term (s) to be indicated by the manufacturer).

S24 / 25: Avoid contact with skin and eyes.

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

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

3. COMPOSITION / INFORMATION ON COMPONENTS

Trade Name:

CYPROD 250 EC

Nature of the product:

Emulsifiable Concentrate Insecticide (EC)

Cypermethrin 250g / L

Composition:

Name	CASE No.	EC No.	Classification	Concentration[%]
Cypermethrin, (\pm) - α -cyano-3-phenoxybenzyl (\pm) -cis, trans-3- (2,2-dichlorovinyl) -2,2-dimethylcyclopropanecarboxylate	52315-07-8	257-842-9	Xn ; R20/22 Xi ; R37 N ; R50/53	25
Solvent	----	----	-----	75

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4. FIRST AID

Description of first aid:

- General information : Refer to the instructions below for the exposure mode.
- Inhalation : Transport to fresh air and seek medical attention.
- Skin contact : If the symptoms persist, consult your doctor. Rinse immediately with water or saline solution.
- Eye contact : Wash in running water for several minutes, holding eyelids and consulting a doctor.
- After swallowing seek medical advice immediately.

Most important symptoms and effects, both acute and delayed:

Central nervous system symptoms: tremors, convulsions, ataxia; irritation of the respiratory tract: runny nose, cough, dyspnoea, bronchospasm; trigger allergic reactions: anaphylaxis, hyperthermia, sweating, skin edema, peripheral vascular collapse.

Information for the doctor:

Symptoms: pyrethrins and pyrethroids block nerve transmission. Special sensitivity by asthmatic and allergic patients, as well as children.

Symptomatic treatment, resuscitation.

No other information.

5. FIRE FIGHTING MEASURES

Extinction

- Means of extinction: CO₂, powder or water spray. Fight major foci with water spray.
- Special hazards arising from the substance or mixture In case of fire, toxic gases.

Advice to firefighters

In case of fire, toxic gases.

- Protective gear: Do not inhale gases from explosions and fires. No special measures.

Further information

Eliminated as provided by law from fire debris and contaminated water used for extinguishing.

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL DISPERSION

Personal precautions, equipment and procedures for protection in case of emergency:

Wear protective equipment. Keep out unprotected people.

Environmental precautions:

In case of penetration into water or sewer system, notify the appropriate authorities. Do not allow to enter the drainage system / surface / groundwater.

Methods and material for containment and cleaning up:

Collect the liquid absorbing material. Dispose of the collected material in accordance with the regulations.

After cleaning, ensure adequate ventilation.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Store in a cool, dry place and in tightly closed containers. Do not smoke near the product.

Protect from heat and direct sunlight.

Storage

Requirements for storage and containers:

Keep in a cool place. Keep only in the original container.

Information about storage conditions:

Store away from food products.

Do not contaminate food during use, drinks or containers used to contain.

To learn more about storage conditions:

Protect from frost.

Protect from moisture and water.

Protect from heat and direct sunlight.

Be careful when reopening containers already started. Store in a cool, dry place and in tightly closed containers.

Specific end uses: No further information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control settings

No additional information available.

Personal protective equipment

Protection and hygiene measures:

Keep away from food, drinks and feed.

During work, it is forbidden to eat, drink, smoke or sniff. Wash your hands before or after work.

Respiratory protection:

In case of brief exposure or use a respiratory filter in the most waterproof and wear-resistant respirators.

Hand protection:

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to the lack of tests, it can not be recommended any type of material for the gloves with which handle the product / the preparation / mixing of chemicals.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Glove material:

The choice of suitable gloves depends not only on the material itself of the other and the quality varies from one manufacturer to another. Since the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and must be discovered.

Penetration time of the glove material:

Request from the glove supplier The exact penetration time is to be observed.

Eye protection:

Protective glasses

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9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect

Form	: Liquid
Color	: Yellow
Odor	: Aromatic

Security data

Molar mass: 416.3 (Cypermethrin)
Solubility in water: emulsifiable
PH: 4.6
Relative vapor density: no data available
Density: 0.98g / ml
Flash point: 48 ° C
Kinematic viscosity: 64.4 mm ² / s
Explosive properties Not explosive

10. STABILITY AND REACTIVITY

Reactivity	: Exposed to heat, can undergo decomposition releasing dangerous gases.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None under normal conditions
Conditions to avoid	: Protect from direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. No smoking
Incompatible materials	: Strong acid, Strong bases, Strong oxidizing agents
Hazardous Decomposition Products	: Heated to the point of decomposition, releases hazardous fumes. Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitric oxides (NO _x).

11. TOXICOLOGICAL INFORMATION

Cypermethrin cis / trans +/- 40/60, (RS) - α -cyano-3-phenoxybenzyl (1RS, 3RS, 1RS, 3SR) -3- (2,2-dichlorovinyl) - 2,2-dimethylcyclopropanecarboxylate (52315- 07-8)

Oral LD50 rat 500 mg / kg	
DI 50 cutaneous rat > 2000 mg / kg	
Skin corrosion / irritation	: Not classified
Repeated exposure may cause skin dryness or cracking	
Serious eye damage / eye irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Based on available data, classification criteria are not met	
Germ cell mutagenicity	: Not classified

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Based on available data, classification criteria are not met

Carcinogenicity : Not classified

Based on available data, classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, classification criteria are not met

Specific toxicity for certain target organs:

(Single exposure) : May irritate the respiratory tract. May cause drowsiness or dizziness.

Specific toxicity for certain target organs:

(Repeated exposure) : Not classified

Based on available data, classification criteria are not met

Aspiration hazard : May be fatal if swallowed and enters airways.

Potential adverse effects on human health and possible symptoms: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Toxicity

cypermethrin cis / trans +/- 40/60, (RS) - α -cyano-3-phenoxybenzyl (1RS, 3RS, 1RS, 3SR) -3- (2,2-dichlorovinyl) - 2,2-dimethylcyclopropanecarboxylate (52315- 07-8)

LC50 fish 1 96h : 0.0028 mg / l *Salmo gairdneri*

EC50 Daphnia 1 48h : 0.0003 mg / l *Daphnia magna*

ErC50 (algae) 96h : > 0.1 mg / l *Selenastrum capricornutum*

NOEC (chronic) 34d : 0.00003 mg / l *Pimephales promelas*

Persistence and degradability : No further information.

Bioaccumulative potential : No further information.

Mobility in soil : No further relevant information available.

TOXIC EFFECTS ON THE ENVIRONMENT

Note : Very toxic to fish.

Further information:

52315-07-8 cypermethrin

Oral LD50 > 2000 mg / kg (chicken)

> 10000 mg / kg (mallard duck)

Additional ecological information:

Further information:

Risk category 3 (D) (Clean classification): highly polluting.

Do not enter ground water, waterways or drains, even in small doses. Danger for drinking water if even a leak in small quantities produced. Also toxic to fish and plankton.

Very toxic to aquatic organisms.

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Results of PBT and vPvB

PBT: Not applicable.

VPvB: Not applicable.

Other adverse effects No further information.

13. CONSIDERATION RELATED TO ELIMINATION

Waste treatment methods

Recommendation:

Dispose of in accordance with local regulations.

Must not be thrown away with household garbage. Do not throw in the sewers.

Uncleaned packaging:

Recommendation: Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

In accordance with the requirements of ADR / RID / IMDG / IATA / AND

UN number:

UN number (ADR): 1993

UN proper shipping name:

Proper Shipping Name (ADR): FLAMMABLE LIQUID, N.S.A.

Description of transport document (ADR): UN 1993 FLAMMABLE LIQUID, N.S.A., 3, III, (D / E)

Class (es) of danger for the transport:

Class (ADR): 6.1

Danger labels (ADR): 6.1

Packing group:

Leading Group (ADR): III

Environmental hazards:

Dangerous for the environment :

Other information: No additional information available.

Special precautions to be taken by the user

Land transport

Hazard No. (Kemler Code): 30

Classification Code (ADR): F1

Orange panels:



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Special Provisions (ADR): 274, 601, 640E

Transport Category (ADR): 3

Restriction code for: D / E

Tunnels (ADR)

Limited quantities (ADR): 5L

Excepted quantities (ADR): E1

EAC Code: • 3YE

Maritime transport

EmS-No. (1): F-E

EmS-No. (2): S-E

Air Transport

"Cargo" instruction (ICAO): 366 / 220L

Instruction "passenger" (ICAO): 355 / 60L

Instruction "passenger" - Limited quantities (ICAO): Y344 / 10L

15. REGULATORY INFORMATION

Safety, health and environmental regulations, specific legislation for the substance or mixture:

Chemical Safety Assessment: For correct use of the product follow the instructions on the label.

16. OTHER INFORMATION

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 And 1999/45 / EC and amending Regulation (EC) No 1907/2006.

Important phrases

H226 Flammable liquid and vapor.

H300 Fatal if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful by inhalation.

H335 May cause irritation of the respiratory tract.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long-term effects.

R20 / 22 Harmful by inhalation and if swallowed.

R37 Irritating to respiratory system.

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R37 / 38 Irritating to respiratory system and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

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

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapors may cause drowsiness and dizziness.

Acronyms and abbreviations:

ADR: European Agreement on the Transport of Dangerous Goods by Road

RID: International Regulations concerning the Carriage of Dangerous Goods by Rail
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent