

MATERIAL SAFETY DATA SHEET

CIMESHUPAR 20

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : CIMESHUPAR 20
Chemical name of active ingredient(s) : (RS)- α -cyano-3-phenoxybenzyl (1RS) -cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethyl cyclopropane-carboxylate.
Chemical formula : Cypermethrin: C₂₂H₁₉Cl₂NO₃ (synthetic pyrethroid).
EU Cat. No. : Aromatic solvent (C-10): 649-424-00-3.
Code no. : R-10842.G
Manufacturer : Makhteshim Chemical Works, Ltd.
P.O.B. 60, Beer Sheva 84100, Israel.
Fax no.: 972-8-6296848-(364)
Emergency telephone number : 972-3-6106666
Subscription no.: 36789 (MAKHTESHIM)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation.

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Cypermethrin	52315-07-8	200 g/l			
Aromatic solvent (C-10)	64742-94-5	648 g/l	265-198-5	Xn	R65

* *Occupational Exposure Limit(s), if available, are listed in section 8*

3. HAZARDS IDENTIFICATION

Human health hazards : Harmful by inhalation.
Harmful: may cause lung damage if swallowed.
Mildly irritating to eyes and skin.

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful to aquatic organisms.

4. FIRST-AID MEASURES

Effects and symptoms

First-aid measures

Inhalation : Remove victim to fresh air. Keep victim warm and at rest. Immediately get medical attention.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash out mouth with water. Get medical attention.
Skin contact : Remove contaminated clothing. Wash off with plenty of water and soap. Consult a doctor in the event of any complaints.
Eye contact : Wash off with plenty of water for at least 15 minutes. Consult a doctor in the event of any complaints.

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Notes to a physician : There is no specific antidote. Treat symptomatically and give supportive therapy.
If ingested perform gastric lavage and administer activated charcoal.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : If involved in fire: Water spray, fog or regular foam.
Special fire-fighting procedures : Fight fires from a protected location. Move containers away from fire without risk. Dike fire control water for later disposal. Cool exposed containers with water spray.
Unusual fire/explosion hazards : Emits toxic gas.
Hazardous thermal (de)composition products : CO_x, NO_x, HCN and Chlorides.
Protection of fire-fighters : Wear suitable protective clothing. Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use appropriate protection (see section 8). During cleaning activity, shut off ignition sources
Environmental precautions : Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point. If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers have to be dug out.
Methods for cleaning up : Use appropriate containment to avoid environmental contamination. In the event of minor spillage: Absorb in sand or other inert material. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

7. HANDLING AND STORAGE

Handling : Do not breathe fumes.
Avoid contact with skin and eyes.
Storage : Keep locked up. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place (<50°C). Keep container dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures : Ventilation required. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Hygiene measures : Wash hands thoroughly after handling. Wash clothing separately before re-use.
Occupational Exposure Limits : No occupational exposure limits have been established.
Personal protective equipment
Respiratory system : During spraying wear suitable respiratory equipment.
Skin and body : Wear suitable protective clothing and chemical resistant boots.
Hands : Wear suitable gloves.

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Eyes : Safety goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid.
Colour : Yellow - Clear.
Odour : Characteristic odour.
Molecular weight : Cypermethrin: 416.3
Density : 0.958 - 0.962
pH : 5.5
Flash point : 62°C
Lower explosion limit : Aromatic solvent (C-10): 0.8%
Upper explosion limit : Aromatic solvent (C-10): 6.5%

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Conditions to avoid : excessive heat, sparks and open flame
 Decomposes upon heating. (Cypermethrin: Decomposes above 220°C).
Materials to avoid : Avoid contact with: Strong oxidizing agents and strong bases .
Hazardous reactions : Hazardous polymerization will not occur.
Hazardous decomposition products : COx, NOx, HCN and Chlorides.

11. TOXICOLOGICAL INFORMATION

No toxicological information is known on the product. The data below are for the the active ingredient:

Acute toxicity - Oral : LD₅₀ = 499 mg/kg, (rat).
 Calculated for Cimeshupar 20: LD₅₀ >2000 mg/kg.
Acute toxicity - Dermal : LD₅₀ > 3000 mg/kg, (rat).
Acute toxicity - Inhalation : LC₅₀ = 2.5 mg/l, 4 hours, (rat).
Skin irritation : Slightly irritating (rabbit).
Eye irritation : Mildly irritating (rabbit).
Sensitization : Guinea pig maximization test: Weak sensitizer (rabbit).

12. ECOLOGICAL INFORMATION

Mobility : Cypermethrin: Immobile in soil.
Persistence/degradability : Cypermethrin: TD₅₀ = 5 days in water.
Ecotoxicity : No ecological information is known on the product. The data below are for the the active ingredient:
 Birds: LC₅₀ > 10,000 mg/l (mallard duck).
 Fish: LC₅₀ = 0.69 µg/l, 96 hours (rainbow trout).
 Daphnia: EC₅₀ - 0.15 µg/l, 48 hours.
 Bees: Toxic to bees

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13. DISPOSAL CONSIDERATIONS

Methods of disposal : Disposal according to the local legislation.

14. TRANSPORT INFORMATION

International transport regulations

UN number : 3082

Land - Road/Railway

Proper shipping name : Environmentally hazardous substance, liquid, N.O.S. (contains 200 g/l cypermethrin).

ADR/RID Class : 9

ADR/RID Item number : 11^o(c)

Packing group : III

Hazard Identification : 9

Number

Inland waterways

Sea

Proper shipping name : Environmentally hazardous substance, liquid, N.O.S. (contains 200 g/l cypermethrin).

IMDG Class : 9

Packing group : III

Air

Proper shipping name : Environmentally hazardous substance, liquid, N.O.S. (contains 200 g/l cypermethrin).

UN/ID Number : 3082993

National transport regulations

No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations:

Hazard symbol(s) : Xn, N



HARMFUL (Xn)



DANGEROUS FOR THE ENVIRONMENT

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Risk phrases : R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.
R43: May cause sensitization by skin contact.
R65: Harmful: may cause lung damage if swallowed.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23: Do not breathe fumes.
S24/25: Avoid contact with skin and eyes.
S36/37: Wear suitable protective clothing and gloves.
S57: Use appropriate containment to avoid environmental contamination.

Contains : 200 g/l Cypermethrin
648 g/l Aromatic solvent (C-10).

16. OTHER INFORMATION

Recommended use : Insecticide.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

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