

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)

PRODUCT NAME: **SUTRA 50 CS**

REVISION DATE: 04.09.2020

VERSION: 00

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

1.1. Identification of the Substance / Mixture :

Product Name: Sutra 50 CS

Active Ingredient Name: Lambda cyhalothrin

IUPAC name: (S) -a-cyano-3-phenoxybenzyl (Z) - (1 R, 3 R) -3- (2-chloro-3,3,3-trifluoropropene-1-enyl) -2,2 dimethylcyclopropanecarboxylat and (R) -a-cyano-3-phenoxybenzyl (Z) - (1 S, 3 S) -3- (2-chloro-3,3,3-trifluoropropene-1-enyl) -2,2 dimethylcyclopropanecarboxylate

1.2. Identified Uses of the Substance or Mixture and Use Not Recommended :

Insecticide (insecticide)

1.3. Information of the Safety Data Sheet Supplier :

Company Name : HELM AG

Address : Nordkanalstraße 28 , D-20097 Hamburg

Phone: +49 (0) 40 / 2375-0

SDB Authorized Person: SDB@HELMAG.COM

1.4. Emergency Phone: 0 262 751 14 12

National Poison Information Center (UZEM): 114

2. HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture:

Classification in accordance with the Regulation on Classification, Labeling and Packaging of Substances and Mixtures (Official Gazette: 11.12.2013, Article 28848):

Acute toxicity (Category 4), H332

Chronic aquatic toxicity (Category 1), H410

For the full text of the H phrases used in this section, see Section 16.

2.2. Label Elements



Warning

H332 Harmful if inhaled .

H410 Very toxic to aquatic life with long lasting effects.

EUH401 To avoid risks to human health and the environment , follow the instructions for use.

P102 Keep out of reach of children.

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P261 Avoid breathing dust / mist / gas / mist / vapor / spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P501 Dispose of contents / container in accordance with applicable regulations .

2.3. Other Damages: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Materials

3.2. Mixtures

<u>Components</u>	<u>Kons% w / w</u>	<u>EEC No</u>	<u>Cas No</u>	<u>Hazard classification</u>
Lambda cyhalothrin	5	415-130-7	91465-08-6	Acute Tox. 2 * H330 Acute Tox. 3 * H301 Acute Tox. 4 * H312 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Benzyl-benzoate	1-5	204-402-9	1 20-51-4	Acute Tox. 4 * H332
Propane-1,2-diol	10-30	-	57-55-6	-

For the full text of the H phrases mentioned in this section, see Section 16.

4. FIRST AID MEASURES I.

4.1. Description of First Aid Measures

General Information

In case of accident or if you feel unwell, seek medical advice immediately. Remove contaminated shoes and clothing immediately and wash thoroughly before reuse. If the patient seems unconscious, move and place him in a stable position.

After inhalation

Remove the affected person from that area immediately. Provide fresh air. Irregular breathing / non-breathing: artificial respiration. Consult a doctor immediately.

After skin contact

Wash off immediately with soap and water. Consult a doctor.

After contact with eyes

Open eyelids, rinse eyes thoroughly with water (15 min.). Consult an ophthalmologist for treatment.

After swallowing

Do not try to induce vomiting. Rinse mouth and drink plenty of water. Seek medical advice immediately. Do not give anything by mouth to an unconscious person.

4.2. Quick and Delayed Significant Symptoms and Effects: -

4.3. First Sign of Medical Intervention and Special Treatment Requirement: -

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing medium

Foam; extinguishing powder; Water spray jet; Carbon dioxide
Extinguishing medium that should not be used for safety reasons : Full water jet

Special exposure hazards arising from the substance or the preparation itself, flammable products resulting in gas

In the event of a fire, the following may occur:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Organic matter gas released in a fire must be permanently classified as respiratory toxicity.

Special protective equipment of firefighters

Use self-breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

See the protective measures documented in sections 7 and 8. Avoid contact with skin, eyes and clothing. Provide adequate ventilation.

6.2. Environmental Precautions

Do not discharge into running waters / surface waters / groundwater. Do not discharge into the ground / ground.

6.3. Methods and Materials for Preservation and Cleaning

Pick up with absorbent material (eg sand, diatomaceous earth, universal collector). Once collected, treat material as described under the heading "Waste Comments".

6.4. References to Other Sections

Warnings : Specified in Article 13.

7. HAZARD AND STORAGE

Safe handling measures

Transport risks arising from the product itself should be minimized by taking appropriate protective and preventive measures. Working procedures should be designed to regulate the evacuation of hazardous substances or skin contact in the most advanced way possible.

Advice on protection against fire and explosion : Keep away from hot and ignition sources.

Storage

Requirements for storage rooms and boats

Open containers should be very carefully resealed and kept upright to prevent leakage . Always store the same material in original containers.

Additional information on storage conditions

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Keep containers tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Reveal limit values

Propane-1,2-diol

CAS no. 57-55-6

EU no. 200-338-0

Occupational release standards (OESs) / EH40 Propan-1,2-diol

Total vapors and particles

TWA 474 mg / m³ 150 ml / m³

Occupational release standards (OESs) / EH40 Propan-1,2-diol

Total vapors and particles

STEL 10 ml / m³

Personal protective equipment

Protection from inhalation

If workplace exposure limits are exceeded, approved respiratory protective equipment must be used for this particular job. In case of aerosol and smoke formation, appropriate precautions should be taken to avoid inhalation unless the workplace threshold values are specified.

Hand protection

In case of heavy contact wear protective gloves (EN 374). In case of the risk of skin contact with the product, eg; Adequate protection is provided by wearing suitable protective gloves, checked according to EN 374. Before use, protective gloves should be tested in all cases for the specific workplace suitability (eg mechanical resistance, suitability of the product and anti-static properties). Follow the manufacturer's instructions and information regarding the use, storage, maintenance and replacement of protective gloves. Protective gloves should be changed immediately when physically damaged or worn. For this reason, they are designed to prevent the continuous use of protective gloves.

Suitable material for prolonged contact : viton

Material suitable for short-term contact / prevention of splash : ni tril

Eye protection

Safety glasses with side protection (EN 166)

Skin protection

Known clothes in the chemical industry

General protection and hygiene measures

Do not eat or smoke while working. Keep away from food and drink. Avoid contact with the skin and eyes. Remove contaminated clothing immediately. Wash your hands before breaks and after work. Have eye wash. Provide an emergency shower. Do not breathe fumes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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- ❖ Form: Liquid
- ❖ Color : Pure white
- ❖ Odor: Characteristic
- ❖ Boiling point: 100 ° C
- ❖ Flash point: not determinable
- ❖ Self-ignition: 420 ° C
- ❖ Fire enhancing properties: none
- ❖ Oxidation: none
- ❖ Explosion limits
- ❖ Explosion risk (ChemG): not available
- ❖ Density: 1.02 g / ml (20 ° C)
- ❖ pH value: 4.0-5.5

10. STABILITY AND REACTIVITY

- 10.1. Reaction
- 10.2. Chemical Stability
- 10.3. Possibility of Hazardous Reaction
- 10.4. Conditions to Avoid: Unknown.
- 10.5. To Avoid MA dd are : Unknown.
- 10.6. Hazardous Decomposition Products: Unknown.

11. TOXICOLOGICAL INFORMATION

11.1. Information on Toxic Effects

LD₅₀ oral rat > 2000 mg / kg
LD₅₀ skin rat : > 2000 mg / kg
LC₅₀ respiratory rat : 0.259-1,064 mg / l

Skin contact: Not irritating. (rabbit)
Eye contact: Not irritating. (rabbit)
Skin sensitivity: Not sensitizing.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity: Toxic to bees and fish . Do not contaminate water .

Cyprinus carpio LC50 (96h): 0.193m g / l
Daphnia LC50 (48 hours): 53.3 µ g / l
Algae LC50 (72 hours): 32.9 m g / l

- 12.2. Persistence and degradability: -
- 12.3. Bioaccumulative Potential: -
- 12.4. Mobility in soil: -
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects: -

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13. DISPOSAL INFORMATION

Product

According to the European waste catalog, a waste code number must be assigned by making an agreement with the regional waste disposal company.

Packaging

Residues must be removed from the packaging and, when emptied, completely disposed of in accordance with waste disposal legislation. Incompletely emptied packages should be disposed of according to the method of disposal specified by the zone shooters.

14. TRANSPORT INFORMATION

Land transport ADR / RID

UN Number: 3082

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS MATERIAL, LIQUID, BBB (lambda-cyhalothrin)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (lambda cyhalothrin)

Transport Hazard Classes: 9

Packing Group: III

Environmental Damages: Lambda-cyhalothrin

User Precautions

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Sea transport IMDG

Class 9

Packing group III

UN no 3082

Proper shipping name environmentally hazardous substance, liquid, nos

Hazardous starting material lambda-cyhalothrin

EmS F-A, SF

MARPOL MP

Label 9

Air freight IMDG

Class 9

Packing group III

UN no 3082

Proper shipping name environmentally hazardous substance, liquid, nos

Hazardous starting material lambda-cyhalothrin

Label 9

15. REGULATORY INFORMATION

15.1. Special Safety, Health and Environmental Legislation for the Substance or Mixture

This Safety Data Sheet has been prepared in accordance with the Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures. This product has been classified in

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accordance with the Regulation on Classification, Labeling and Packaging of Substances and Mixtures (RG: 11.12.2013, Article 28848) (see 2. HAZARDS IDENTIFICATION for the applicable Classification and Labeling regulation).

16. OTHER INFORMATIONS

2 and 3 H-Statements section below the full text

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H400 Very toxic to aquatic environment.

H410 Very toxic to aquatic life with long lasting effects.

EUH401 To avoid risks to human health and the environment , follow the instructions for use.

SDS Creator;

Name Surname: Aylin OBALI

Contact Information: sds@hektas.com.tr

Certificate of Qualification Number: GBF-A-O-2908

UZEM (National Poison Center): 114

Note: Only call in case of poisoning.