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| SECTION 1. Identification of the substance/mixture and of the company/undertaking |

**Product name :** Lambda Cyhalothrin 2.5% EC

**Chemical formula :** C23H19ClF3NO3 (3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-

dimethyl-cyano(3-phenoxyphenyl)methyl

cyclopropanecarboxylate

**Relevant identified uses :** Insecticide

**Company :** Insecticides (India) Ltd

CH-21, GIDC industrial estate

Ta- Vagra, Dist- Bharuch

Gujarat (India)

**Phone number :** +912641286535

**Email id :** qcdiildahej@gmail.com

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| SECTION 2. Hazards identification |

**Human health hazards :** Harmful if swallowed.

: This material causes irritation following skin contact and can

cause serious damage to the eyes.

: May cause tingling/numbness in exposed areas (paraesthesia).

**Physical/Chemical Hazards** :Flammable.

**Environmental hazard** : Very toxic to aquatic organisms.

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| SECTION 3. Composition/information on ingredients |

**Product Description :** A parathyroid insecticide.

An emulsifiable concentrate.

**EEC-No. :** 415-130-7 Lambda-cyhalothrin

**EEC-No. :** 265-199-0 Solvent naphtha (petroleum), light aromatic

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| **Substance name** | **Concentration**  **Gm/Lit.** | **CAS No** | **EC No.** | **Index**  **No.** | **REACH Reg.** | **Classification** |
| **Lambda-cyhalothrin** | 25 | 91465-08-6 | 415-130-7 | --- | --- | T+,N  R26-R25-R21-R50 |
| **Solvent naphtha (petroleum), Light aromatic** | > 500 | 64742-95-6  5 | 265-199-0 | --- | --- | Xn,N  R10-R37-R51/53-R6 |
| **Alkyl phenol Ethoxylate** | 100 | --- | --- | --- | --- | Xn  R22-R36/38-R53 |

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| SECTION 4. First aid measures |

If you feel unwell, seek medical advice (show the label where possible).

**Eye contact :** Immediately irrigate with eyewash solution or clean water,

holding the eyelids apart, for at least 15 minutes. Obtain

immediate medical attention.

**Skin contact :** Take off immediately all contaminated clothing.

Wash skin immediately with water, followed by soap and

water.

Harmful if swallowed.

Such action is essential to minimize contact with skin.

Contaminated clothing should be laundered before re-issue.

**Inhalation :** Remove patient from exposure, keep warm and at rest.

Obtain medical attention as a precaution.

**Ingestion** : If swallowed seek medical advice immediately and show the

container, label or this Data Sheet, if possible.

Do not induce vomiting.

**Medical advice :** Gastric lavage may be effective when performed within 4 hours

of ingestion.

Aspiration of this material into the lungs should be avoided.

Symptomatic treatment and supportive therapy as indicated.

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| SECTION 5. Fire-fighting measures |

**Flammable :** Keep fire exposed containers cool by spraying with water.

**Extinguishing media :** For small fires, use foam, carbon dioxide or dry powder

extinguishing.

For large fires, use polar-resistant foam or water-fog; avoid

use of water jet.

Contain run-off water with, for example, temporary earth

barriers.

**Protective Equipment :** A self contained breathing apparatus and suitable protective

clothing should be worn in fire conditions.

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| SECTION 6. Accidental release measures |

**Personal precautions :** Ensure suitable personal protection during removal of

spillages.

This means wearing a face mask that gives protection against

organic vapors, eye protection, chemically resistant gloves,

boots and coveralls.

**Clean up methods :** Adsorb spillages onto sand, earth or any suitable adsorbent

material. Transfer to a container for disposal.

Wash the spillage area with water.

Washings must be prevented from entering surface water

drains.

Spillages or uncontrolled discharges into watercourses must be

alerted to the appropriate regulatory body.

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| SECTION 7. Handling and storage |

**HANDLING :** Read the label before use.

**Safe handling advice :** Avoid contact with skin and eyes. Do not breathe spray.

Avoid inhalation of high concentrations of vapors.

When using don't eat, drink or smoke.

Wash face and hands before eating, drinking or smoking.

**STORAGE**

**Safe storage advice :** Keep only in the original container.

Keep container tightly closed.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

**Storage life** : Physically and chemically stable for at least 2 years when

stored in the original unopened sales container at ambient

temperatures.

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| SECTION 8. Exposure controls/personal protection |

**Personal protection :** When using this product refer to the label for details.

Occupational exposure limits.

**Hazardous ingredient :** Lambda-cyhalothrin

8 hr TWA 0.04 mg/m³

**Sk :** Can be absorbed through skin.

**Hazardous ingredient :** Mixed hydrocarbon solvents OES/HSE

8 hr TWA 200 mg/m³

(Manufacturer/Supplier's Calculation)

Not applicable to field use**.**

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| SECTION 9. Physical and chemical properties |

**Physical state :** Liquid

**Color :** Light yellow.

**Odor** : Aromatic

**Boiling point :** Not available.

**Melting point :** Not available.

**Flash point :** >40 °C

**Auto ignition temperature :** Not available.

**Explosive properties :** Not applicable.

**Density** **at 200C** : 0.9 g/cc

**Solubility :** Miscible in/with water.

**pH-value (quant.) :** Not available.

**Partition coeff**. : Not available.

**Oxidizing properties** : Not applicable.

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| SECTION 10. Stability and reactivity |

**Hazardous decomposition**

**products :** Combustion or thermal decomposition will evolve toxic and

irritant vapors.

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| SECTION 11. Toxicological information |

**ACUTE TOXICITY (LETHAL DOSES)**

**Oral Median Lethal**

**Dose rat :** 923. 1930 mg/kg

**Dermal Median Lethal**

**Dose rat :** (Calculated) > 4000 mg/kg

**Inhalation :** Unlikely to cause harmful effects under normal conditions of

handling and use.

**ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)**

**Eye Irritation :** The concentrate is at least a severe eye irritant.

**Skin Irritation :** Severe irritant to rat skin.

**Skin Sensitization :** It is a mild skin sensitizer in animal tests.

In humans may cause tingling or numbness in exposed

areas (paraesthesia). The effect may result from splash,

aerosol or transfer to the face from contaminated gloves and

hands.

This effect is transient, lasting up to 24 hours.

**CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE**

**Long Term Exposure :** No long term risks to man are associated with the normal

handling and use of this material.

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| SECTION 12. Ecological information |

**ECOTOXICITY**

**Toxicity to fish :** LC50 96 hours rainbow trout.

: (flow through) 13.6 μg formulation/l

Very toxic to aquatic organisms.

. (Not necessarily identical to the EC classification risk phrases)

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| SECTION 13. Disposal considerations |

• Do not contaminate ponds, waterways or ditches with chemical or used containers.

• Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987.

• Empty containers should be washed and discarded.

• Empty containers should not be used for other purposes.

• Disposal should be in accordance with local, state or national legislation.

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| SECTION 14. Transport information |

**Land transport**

**ADR/RID:**

**UN-Number :** 3351

**UN Class** : 6.1

**Packaging group :** III

**Proper shipping name : PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE**

**Environmentally hazardous :** Environmentally hazardous

**Sea transport**

**IMDG:**

**UN-Number :** 3351

**UN Class :** 6.1

**Packaging group :** III

**Proper shipping name : PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE**

**Marine pollutant** : Marine pollutant

**Air transport**

**IATA-DGR:**

**UN- No**. : 3351

**UN Class :** 6.1

**Packaging group :** III

**Proper shipping name : PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE**

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| SECTION 15. Regulatory information |

**Labeling according to EC Directives**

Hazardous components which must be listed on the label:

* solvent naphtha (petroleum), light aromatic.
* lambda-Cyhalothrin

**Symbol(s) :** T- Toxic

N- Dangerous for the environment

**Hazard symbols :**



**R-phrase(s) :** R10- Flammable.

R22- Harmful if swallowed.

R23- Toxic by inhalation.

R37/38- Irritating to respiratory system and 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.

**S-phrase(s) :** S2- Keep out of the reach of children.

S13- Keep away from food, drink and animal feeding

stuffs.

S20/21- When using do not eat, drink or smoke.

S26- In case of contact with eyes, rinse immediately

with plenty of water and seek medical advice.

S35- This material and its container must be disposed

of in a safe way.

S39- Wear eye/face protection.

S45- In case of accident or if you feel unwell, seek

medical advice immediately (show the label where

possible).

S57- Use appropriate container to avoid environmental

contamination.

**Note**: The mixture is classified as dangerous in accordance with Directive 1999/45/EC.

**Special labeling of certain mixtures :** To avoid risks to man and the environment, comply

with the instructions for use.

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| SECTION 16. Other information |

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