



H.O. : 101 / 102, Kanchanganga, Factory Lane, Borivli (West), Mumbai - 400 092, INDIA.

Tel. : 91-22-2898 2133 / 44, 2898 7912 / 14, 2898 4439 / Fax : 91-22-2899 3948 Website : www.heranba.com

Marketing Office : 201/202, Dwarkesh, Above Tribhuvandas Bhimji Jhaveri, L. T. Road, Borivli (W), Mumbai - 400 092. INDIA.

Tel. : 91-22-2833 8443 / 44 / Fax : 91-22-2833 8445 / e-mail : heranba@vsnl.com

MATERIAL SAFETY DATA SHEET **LAMBDA CYHALOTHRIN 10% WP**

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **LAMBDA CYHALOTHRIN 10 % WP**

Chemical group: Synthetic pyrethroid

Name of manufacturer: HERANBA INDUSTRIES LIMITED, 101/102 Kanchanganga, Factory Lane, Borivli (West), INDIA

Product use: Insecticide

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Identity	CAS No.	Typical %
Lambda Cyhalothrin	91465-08-6	10.00
Other ingredients		Q.S.

Section 3 – HAZARDS IDENTIFICATION

Physical hazards: Combustible liquid

Health hazards: Toxic by inhalation, in contact with skin and if swallowed. May cause sensitization by skin contact.

Section 4 – FIRST AID MEASURES

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

IF IN EYES: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

IF ON SKIN: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.

IF SWALLOWED: Provided the patient is conscious, wash out mouth with water. Immediately contact a physician. Do not induce vomiting. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention.

Section 5 – FIRE FIGHTING MEASURES

Flash point: 51°C

Decomposition temperature: Not available.

EXTINGUISHING MEDIA: Foam, carbon dioxide, water or dry chemical. Use water as a spray or fog; avoid use of water jet. Water spray should be used to cool containers.

PROTECTIVE EQUIPMENT: Self-contained breathing apparatus with full face-piece and protective clothing



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Unusual fire and explosion hazards: Heavy vapors can flow along surfaces to distant ignition sources and flash back.

Section 6 – ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP:

Generously cover the contaminated areas with common, household detergent. Using a stiff brush and small amounts of water, work the detergent into the remaining spilled material forming a slurry. Brush the slurry into cracks and crevices and allow to stand for 2-3 minutes. Be careful to completely avoid skin or eye contact. Do not splatter on oneself or bystanders. Soak up liquid with absorbent and shovel into waste container. Remove as much as possible by absorbing with inert material. Remove any contaminated soil. Place in closed, labeled containers and store in a safe place to await disposal. Seal drum and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill plan.

Section 7 – HANDLING AND STORAGE

Safe handling advice: avoid breathing vapors or spray mist. use normal good industrial hygiene and housekeeping practices.

Requirements for storage rooms: Keep in original containers, tightly closed and locked up. Keep out of the reach of children and away from food.

Storage Temperature: Ideal storage temperature is 10-27 Deg. C. Do not expose sealed containers to temperatures above 40 Deg. C.

Section 8 – PERSONAL PROTECTION

Engineering Controls: If needed, use local exhaust to keep exposures to a minimum.

Eye Protection: Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a face-shield, selected in regard to exposure potential.

Body Protection: Protective clothing as needed, impervious gloves, apron and arm covers.

Respiratory Protection: Use MSHA-NIOSH approved respirator for pesticides. Should exposure potential under poor conditions become greater, use a positive-pressure, air-supplied respirator.

Other Protective Equipment: Eyewash station and safety shower in work area.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off white to white colored powder

Odour: Solvent like.

pH: 5.5-9.0

Solubility in water: 0.005 mg/L (pH 6.5) (20°C) (technical)

Suspensibility: Min. 50-70 %

Section 10 – STABILITY AND REACTIVITY

Stability: Stable at room temperature.

Incompatibility: Strong oxidizing agents. Acids and alkaline materials.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep away from heat and sources of ignition.



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Hazardous Decomposition Products: Thermal decomposition products are toxic and may include hydrocarbons, ammonia, organic and acid halides, oxides of carbon, nitrogen and sulphur.

Section 11 – TOXICOLOGICAL INFORMATION

Acute oral LD₅₀ mg/kg (rat): 3160 mg/kg (male rat), 2240 mg/kg (female rat)

Acute dermal LD₅₀ mg/kg(rat): 51,720-60,280 mg/kg

Inhalation LD₅₀ mg/l hour (rat): 2.4 mg/L

Skin irritation (rabbit): Non-irritant

Eye irritation (rabbit): Mild irritant

Skin sensitization (guinea pig): Not a sensitizer

Section 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Highly toxic to aquatic life. Very toxic to bees

Section 13 – DISPOSAL CONSIDERATIONS

Container disposal: Empty container retains product residue. Triple rinse, or equivalent, empty container, return rinse water to dilution mixture, and dispose of dilution mixture as a hazardous waste if it cannot be disposed of by use according to label instructions. Do not reuse container. Offer it for recycling or reconditioning, or puncture and dispose of in properly permitted landfill.

Section 14 – TRANSPORT INFORMATION

PROPER SHIPPING NAME (PSN): PYRETHROID PESTICIDE, SOLID, TOXIC

IMCO CLASS: 6.1

UN NO: 3349

IMDG code: 6221

EMS NO: 6.1-04

PACKAGING GROUP: III

Section 15 – DISCLAIMER

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.