

HERANBA

INDUSTRIES LIMITED

An ISO 9001: 2015 Certified Company

OFF: 101/102, Kanchanganga, Factory Lane, Borivli (W), Mumbai-400092

Tel: 91-22-2898 7912/14, 2898 2133/44, 2898 4439 Fax: 91-22-2899 3948

e-mail : heranba@vsnl.com web: www.heranba.com

MATERIAL SAFETY DATA SHEET **LAMBDA CYHALOTHRIN 9.7% CS**

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **LAMBDA CYHALOTHRIN 9.7% CS**

Chemical group: Synthetic pyrethroid

Product use: Insecticide

Company name: HERANBA INDUSTRIES LIMITED

Address: 101/102, Kanchanganga, Factory Lane,
Borivli (west), Mumbai- 400092, INDIA

Phone number: +91-22-28987912/14

Web site address: www.heranba.co.in

Emergency phone number: +91-22-28987912/14

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Identity	CAS No.	Typical (w/w)
Lambda Cyhalothrin	91465-08-6	9.7
Other ingredients		Q.S.

Section 3 – HAZARDS IDENTIFICATION

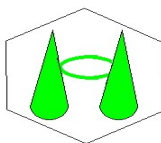
Physical hazards: Combustible liquid

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

Section 4 – FIRST AID MEASURES

General advice :	Have the product container, label or Material Safety Data Sheet with you when calling the Heranba Industries Ltd emergency number, a poison control center or physician, or going for treatment.
Inhalation:	Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.
Skin contact:	Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Works: Plot No. 2817/1, GIDC. Sarigam, Bhilad - 396 155, Dist. Valsad, Gujarat, India.



HERANBA

INDUSTRIES LIMITED

An ISO 9001: 2015 Certified Company

OFF: 101/102, Kanchanganga, Factory Lane, Borivli (W), Mumbai-400092

Tel: 91-22-2898 7912/14, 2898 2133/44, 2898 4439 Fax: 91-22-2899 3948

e-mail : heranba@vsnl.com web: www.heranba.com

Section 5 – FIRE FIGHTING MEASURES

Extinguishing media

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Alcohol-resistant foam or Water spray

Do not use a solid water stream as it may scatter and spread fire.

Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

Section 6 – ACCIDENTAL RELEASE MEASURES

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material,

(e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

If the product contaminates rivers and lakes or drains inform respective authorities.

Section 7 – HANDLING AND STORAGE

Precautions for safe handling

No special protective measures against fire required.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

For personal protection see section 8.

Conditions for safe storage, including any incompatibilities

No special storage conditions required.

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

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

: Physically and chemically stable for at least 2 years when stored in the

Original unopened sales container at ambient temperatures.

Section 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

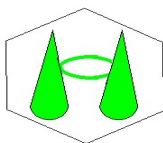
If airborne mists or vapors are generated, use local exhaust ventilation controls.

Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.

Where necessary, seek additional occupational hygiene advice.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment.

Works: Plot No. 2817/1, GIDC. Sarigam, Bhilad - 396 155, Dist. Valsad, Gujarat, India.



HERANBA

INDUSTRIES LIMITED

An ISO 9001: 2015 Certified Company

OFF: 101/102, Kanchanganga, Factory Lane, Borivli (W), Mumbai-400092

Tel: 91-22-2898 7912/14, 2898 2133/44, 2898 4439 Fax: 91-22-2899 3948

e-mail : heranba@vsnl.com web: www.heranba.com

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid

Form: liquid

Colour: off-white

Odour: aromatic, weak

Odour Threshold: no data available

pH: 4.5 - 9.0

Melting point/range: no data available

Boiling point/boiling range: 100 °C

Flash point: 58 °C

Section 10– STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: No information available.

Possibility of hazardous reactions: None known.

Hazardous polymerisation does not occur.

Conditions to avoid: No information available.

Incompatible materials: No information available.

Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

Section 11 – TOXICOLOGICAL INFORMATION

Acute oral toxicity : Median lethal dose male rat, 612 mg/kg

: Median lethal dose female rat, 522 mg/kg

Acute inhalation toxicity : LC50 female rat, > 2.09 mg/l, 4 h

Acute dermal toxicity : Median lethal dose male and female rat, > 2,000 mg/kg.

Section 12 – ECOLOGICAL INFORMATION

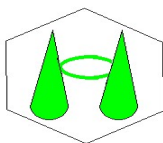
Toxicity to fish : LC50 Cyprinus carpio (Carp), ca. > 12 µg/l , 96 h

Based on test results obtained with similar product.

Toxicity to aquatic invertebrates

: EC50 Daphnia magna (Water flea), > 2.6 µg/l , 48 h

Based on test results obtained with similar product.



HERANBA

INDUSTRIES LIMITED

An ISO 9001: 2015 Certified Company

OFF: 101/102, Kanchanganga, Factory Lane, Borivli (W), Mumbai-400092

Tel: 91-22-2898 7912/14, 2898 2133/44, 2898 4439 Fax: 91-22-2899 3948

e-mail : heranba@vsnl.com web: www.heranba.com

Section 13 – DISPOSAL CONSIDERATIONS

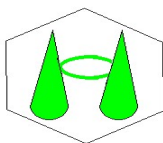
Product:	Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated: Packaging	Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for Recycling or disposal. Do not re-use empty containers.

Section 14 – TRANSPORT INFORMATION

PROPER SHIPPING NAME (PSN): PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE
IMCO CLASS: 6.1
UN NO.: 3351
PACKAGING GROUP: III

Section 15. REGULATORY INFORMATION

R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R25	Toxic if swallowed.
R26	Very toxic by inhalation.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
R51/53	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.



HERANBA

INDUSTRIES LIMITED

An ISO 9001: 2015 Certified Company

OFF: 101/102, Kanchanganga, Factory Lane, Borivli (W), Mumbai-400092

Tel: 91-22-2898 7912/14, 2898 2133/44, 2898 4439 **Fax:** 91-22-2899 3948

e-mail : heranba@vsnl.com **web:** www.heranba.com

Section 16 – DISCLAIMER

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are resented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS. Accordingly, no guarantee or warrantee expressed or implied is made by Heranba Industries Limited., as to the results to be obtained based upon the user's use of the information, nor does Heranba Industries Limited., assume any liability arising out of user's use of the information.