

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Lambdacyhalothrin Technical

CAS No : 91465-08-6 Use : Insecticide

Company Info : M/s HPM Chemicals & Fertilizers Ltd

209-210, Anupam Bhawan, Commercial Complex

Azadpur, Delhi-110033

Telephone : (011)-45071800, 899
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CompositionConcentrationImidacloprid a.i.95.00% min.Other associates impurities05.00% max

3. HAZARDS IDENTIFICATION OF PREPARATION

Acute Health effects

Swallowed: 79 mg/kg (male); 56 mg/kg (female) (rat).

Dermal: 632-696 mg/kg (rat). Inhalation: 0.06 mg/l air (4 h)

Acute exposure effect: Apathy, myatonia, difficult breathing, tremor and in cases of severe

intoxication, myospasms.

Emergency treatment: If inhaled, remove victim to fresh air or uncontaminated area. If in eyes, flush with water. If on skin, wash with soap and water. Remove contaminated clothing. See a doctor if irritation persists. If swallowed, induce vomiting by touching back of throat with finger or by giving an ounce of syrup of ipecac with 2 glasses of water. Do not give anything by mouth to an unconscious person.

STEL (ACGIH) DNA IDLH DNA

NFPA Hazard signals: Health=1, Fire=1, Reactivity=1

4. FIRST AID MEASURES

Skin Contact: Remove contaminated clothing and shoes immediately.

Wash contaminated area with soap or mild detergent and large amount of water until no effects of chemical remains. If

symptoms persists get medical help.

Eye Contact: Irrigate the eyes with large amount water or normal saline

Company: HPM Chemicals & Fertilizers Ltd.

Page No. 1

Website : www.hpmindia.com



occasionally lifting upper and lower lids until no evidence of

chemical remains and obtain a medical help.

Ingestion: Remove by gastric lavage and catharsis, maintain blood

pressure and airway, Give oxygen if respiration is

depressed. Do not perform gastric lavage if victim is victim is

unconscious. Get medical attention immediately.

Inhalation : Remove the patient from the exposure area to fresh air

immediately. If breathing has stopped perform the artificial

respiration. Keep person warm and rest. Get medical

attention immediately.

5. ACCIDENTIAL RELEASE

Personal Preparation
Environmental Precautions

Avoid contact with skin, eyes and clothing.
Prevent contamination of soil, drains and

surface water.

Method of cleaning

Absorb the material in the sand, soil, diatomaceous earth or suitable absorbent. Place in suitable

material and remove to safe place or dispose of in

an incinerator approved for chemicals.

6. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, CO2, Water spray, standard foam.

For larger fire, use water spray, fog or standard

foam.

Exposure Hazards: During a fire, irritating and possibly toxic gases like

carbon dioxide; carbon monoxide; nitrogen oxides;

sulfur dioxide; hydrogen chloride; may be

generated by thermal decomposition or combustion

Fire-Fighting: Use dry chemical, foam or CO2 extinguishing

media. Wear full protective clothing and selfcontained breathing apparatus. Evacuate non

essential personnel from the area to prevent human

exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is

used to fight fire, dike and collect runoff.

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Page No. 2



7. HANDLING AND STORAGE

Handling Use appropriate (impervious) clothing, gloves and closed

> foot ware to prevent the repeated contact with skin. Use flash proof and dust resistant goggles to prevent the

contact with eyes.

Storage Keep the product in original container tightly closed and

correctly labeled. Store in suitable, cool, dry, well ventilated

place under lock and key; away from the reach of the children, animals, food and animal feeding stuffs. Store away from the incompatible substances and source of

ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical protective measures None

Exposure controls limits Not Established Wear suitable mask **Respiratory protection** Hand protection Wear impervious gloves

Eye protection Wear flash proof and dust resistant goggles. Skin protection Wear impervious clothing and closed foot ware.

9. PHYSICAL AND CHEMICAL PROTERITES

Appearance: White to off-white powder

Melting point: 49.2°C

Vapour pressure: 2 x 10-4 mPa (20°C); 2 x 10-1 mPa (60°C)

10. STABILITY AND REACTIVITY

Chemical stability: Stable to light.

Reactivity: Stable at hydrolysis at pH 5-11. Incompatible with other material: None known Hazardous reaction product: HCI, HCN, CO.

11. TOXICOLOGICAL INFORMATION

Company : HPM Chemicals & Fertilizers Ltd.

Website : www.hpmindia.com Page No. 3



Acute toxicity

Eye contact: Mild irritant (rabbit). Skin contact: Non irritant (rabbit).

Skin sensitization: Non sensitizer (guinea pig). Mutagenic potential: Non mutagenic in the Ames test.

12 ECOLOGICAL INFORMATION

Birds: Acute oral LD50 for mallard duck >3950 mg/kg. Dietary LC50 for quail >5000 mg/kg.

Fish: LC50 for Rainbow trout: 0.36 lg/l; bluegill sunfish 0.21 lg/l.

For Daphnia: LC50 (48 h) 0.36 lg/l.

Bees: LC50 (oral) 909 ng/bee; (contact) 38 ng/bee

13. DISPOSAL CONSIDERATION

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed on site (by use according to the label) or at an approved waste disposal facility. Further information can be obtained from the EPA or the equivalent state and local agencies.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Check with EPA, State, and local authorities for the current regulations applicable to your area for disposal of waste containers.

14. TRANSPORT INFORMATION

Type of chemical: Pyrethroid. State of chemical: Solid

Proper Shipping name: Pyrethroid Pesticide, Solid, Toxic

IMCO class: 6.1 UN Number: 3349 IMDG Code Page: 6221

15. REGULATORY INFORMATION

Company: HPM Chemicals & Fertilizers Ltd.

Page No. 4

Website : www.hpmindia.com



All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the

normal use and application as a pesticide.

SARA Title III - Section 302 Extremely Hazardous Substances

Not Listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA -

None Listed

CALIFORNIA PROP 65 STATUS -

Not listed

16. OTHER INFORMATION

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 presented 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 produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

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