



CURE CHEM INDIA

The Chemical People

A-85, 1ST FLOOR, MASOODPUR MAIN ROAD, VASANT KUNJ, NEW DELHI-110070 (INDIA)

TEL: (91-11) 26898689, 26139884, MOBILE: 9811213932, FAX: (91-11) 26123165

EMAIL: kutty@curechem.com WEB: <http://www.curechem.com>

MATERIAL SAFETY DATA SHEET

Lambda cyhalothrin 4.8% EC + Profenofos 60% EC

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company: CURE CHEM INDIA

Product Name: Lambda cyhalothrin 4.8% EC + Profenofos 60% EC

CAS NO.: 91465-08-6 + 41198-08-7

Section 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content %
Lambda cyhalothrin	91465-08-6	4.8%
Profenofos	41198-08-7	60%
Other ingredients	N/A	35.2%

Section 3 - HAZARDS IDENTIFICATION

Product may cause heritable genetic damage, may impair fertility and may cause harm to the unborn child. Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Section 4 - FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Swallowed: If swallowed, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Keep under medical supervision.

Eye: Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.

Skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water. Inhaled: If inhaled, remove to fresh air and obtain medical advice.

First Aid Facilities: Ensure washing facilities are available including eyewash facilities.

Other Information: Do not attempt to give anything to a semi-conscious or unconscious person.



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Section 5 - FIRE FIGHTING MEASURES

Fire Fighting Procedures: Fire-fighters should wear full protective gear, including self-contained breathing apparatus. If possible and without risk, remove intact containers from exposure to fire.

Otherwise, spray unopened containers with water to keep cool.

Whenever possible, contain fire-fighting water by banding area with sand or earth to prevent it entering any bodies of water.

Fire extinguishing Media: carbon dioxide, water spray, dry agent and foam.

Stability and Reactivity: Stable under normal conditions of use. No dangerous reaction known under normal conditions of use. Avoid extreme heat and fire. Toxic thermal decomposition products may include oxides of carbon, sulphur and nitrogen and compounds of chlorine and fluorine.

Section 6 - ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposal may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn: Cotton overalls buttoned to the neck and wrist Waterproof gloves.

Contain spill, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc, is unavoidable, warn the local water authority.

Section 7 - HANDLING AND STORAGE

Handling: Read the label before use. Avoid contact with skin and eyes. Do not breathe spray. Avoid inhalation of high concentrations of vapours. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Storage: 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

Exposure standards: No occupational exposure standards have been established for the product or its ingredients.

Engineering controls: Control process conditions to avoid contact. Personal Protective Equipment:

Eyes: Not normally required. Avoid touching eyes while handling product.

Clothing: Avoid skin contact; full-length work clothes should be worn when using this product.

Gloves: Avoid contact with skin; wear waterproof gloves.

Respiratory: Not required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid.

Colour: light amber.

Odour: aromatic.

pH: 6.0~8.0.

Solubility: miscible with water.

Section 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Protect from (sun) light, open flame and sources of heat. Product decomposes upon heating.

Incompatible materials: Strong acids and strong bases.

Hazardous decomposition products: Toxic and Irritating vapour.

Hazardous polymerization: None known.



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Section 11 - TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD₅₀ for male rats 112 mg/kg.

Dermal: LD₅₀ for rats 1000 mg/kg.

Inhalation: LC₅₀ for rats 0.5 mg/l air (total particulate).

Irritant properties:

Skin: mild irritant (rabbit).

Eye: mild irritant (rabbit)

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Birds: Acute oral LD₅₀: for mallard ducks >57ppm

Fish: LC₅₀ (96 h): 0.4 µg/l.

Daphnia: EC₅₀ (48 h): 0.36 µg/l.

Bees: LD₅₀ (oral): 0.1 µg/bee.

Section 13 - DISPOSAL CONSIDERATIONS

Triple or (preferably) pressure rinse containers before disposal, add rinsings to the spray tank. Do not dispose of undiluted chemicals on-site. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14 - TRANSPORT INFORMATION

UN Number: 3082

Transport hazard class: 9

Packing group: III

Marine pollutant: Yes



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Section 15 – OTHER INFORMATION

The information given here is not necessarily exhaustive but is representative of relevant, reliable data. Follow all local/regional/national/international regulations. Please consult supplier if further information is needed. In this document the British spelling was applied. Please read all labels carefully before using product. This msds summarises 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. The responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.