



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

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ALPHA CYPERMETHRIN 5 % WP

Chemical group Synthetic pyrethroid

Use: Insecticide.

Formulation: Wettable powder (WP)

Supplier: Heranba Industries Limited

Address: 101/102, Kanchanganga, Factory Lane, Borivli (W),
Mumbai - 400 092, INDIA.

Telephone: +91-22-898 7912/14, 2133/44, 4439

Facsimile: +91-22-899 3948.

Website www.heranba.com

2. HAZARDS IDENTIFICATION

Symptoms of Acute Exposure: May cause eye irritation. Allergic skin reactions are possible.

May cause temporary itching, tingling, burning or numbness of exposed skin, called paresthesia.

Hazardous Decomposition Products: Hydrogen cyanide gas may develop in the headspace of containers at normal storage temperatures.

Can decompose at high temperatures forming toxic gases, including hydrogen cyanide.

Unusual Fire, Explosion and Reactivity Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS NO.	PROPORTION (%w/w)
Alpha-cypermethrin	67675-30-8	5
Other ingredients		Q.S.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor.

Ingestion: Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so. Do not give anything by mouth to an unconscious person.

Eye contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

Skin contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Note to physician: There is no specific antidote if this product is ingested. Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids. Skin contact paresthesia



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effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat symptomatically.

Notes to physician: Treat symptomatically. Do not administer milk, cream or other substances that contain vegetable or animal fat, as they enhance absorption. Central nervous system stimulation should be controlled with sedation (eg barbiturates). Reversible skin sensations (paresthesia) may occur and ordinary skin salves have been found useful in reducing discomfort.

5. FIRE-FIGHTING MEASURES

Fire and Explosion:

Flash Point (Test Method): Not Applicable

Flammability: Not Applicable

Unusual Fire, Explosion and Reactivity Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire: Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential 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.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS

Engineering control: Use local exhaust at all process locations where dust may be emitted.

Ventilate all transport vehicles prior to unloading.

9. PERSONAL PROTECTION

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear. Stringent housekeeping measures are necessary to prevent translocation of the material from contaminated work surfaces to uncontaminated surfaces (railings, doors, etc.). Unprotected contact with such translocated material can result in paresthesia effects (see Section 11).

Inhalation: A particulate filter respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection. Avoid breathing air from drum headspace. Hydrogen cyanide gas may be released during opening and dispensing, and in case of spills. Use local exhaust ventilation or air-supplied respiratory protection to keep exposures below the TLV Ceiling Limit.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off-white powder

Odor : Odourless

Suspensibility: 80 %

Solubility : Dispersible with water

Density : 0.35

11. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Materials to Avoid: Oxidizing agents.

Hazardous Decomposition Products: Hydrogen cyanide gas may develop in the headspace of containers at normal storage temperatures. Can decompose at high temperatures forming toxic gases, including hydrogen cyanide

12. TOXICOLOGICAL INFORMATION

Long Term Effects: Evidence from animal tests indicate that repeated or prolonged exposure to this chemical could result in peripheral nervous system damage.

Acute toxicity / Irritation studies (a.i.):

Acute oral toxicity (Rat): 300 mg/kg; Acute dermal toxicity (Rat): 2000 mg/kg; Acute inhalation toxicity (Rat): 0.32 mg/l air; Acute dermal irritation (Rabbit): Non irritant; Acute eye irritation (Rabbit): Slightly irritating; Skin sensitization (Guinea pig): Non sensitiser

13. ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to fish; 96 hr LC₅₀ (rainbow trout): 0.0028 mg/L; 48 hr EC₅₀ (daphnia magna): 0.1-0.3 ug/L

TERRESTRIAL TOXICITY: Oral LD₅₀ (quail) : >10,000 mg/kg; Oral LD₅₀ (mallard duck): >10,000 mg/kg; Toxic to bees; 24 hr LD₅₀ (bee): 0.059 µg/bee; 14 day LD₅₀ (earthworm): >100 mg/kg



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Artificial soil; No toxic effect observed under field conditions.

14. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

15. TRANSPORT INFORMATION

Proper Shipping Name: Pyrethroid Pesticide, Solid, Toxic

IMDG Page code: 6221

UN No.: 3349

IMCO Class: 6.1

EMS No.: 6.1-04

16. 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.