



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](http://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](mailto:heranba@vsnl.com)

## **MATERIAL SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE SUBSTANCE:**

**Product name:** Alpha Cypermethrin 10 % SC

**Chemical group** Synthetic pyrethroid

**Use:** Insecticide.

**Formulation Suspension Concentrate (SC)**

**Supplier:** Heranba Industries Limited

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

**Telephone:** +91-22-898 0860, 28338444, 55774055

**Facsimile:** +91-22-833 8445

**Website** [www.heranba.com](http://www.heranba.com)

### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

|                    | Concentration (% w/w) |
|--------------------|-----------------------|
| Alpha cypermethrin | 10                    |
| Other ingredients  | Q.S.                  |

### **3. EXPOSURE CONTROL**

Engineering controls: No special ventilation is required, as this product is not volatile. Control process conditions to avoid contact. Use local exhaust ventilation while spraying, if possible.

### **4. PERSONAL PROTECTION**

Eyes: Wear face shield.

Clothing: When preparing spray and using the prepared spray wear cotton overalls

buttoned to the neck and wrist and a washable hat; Gloves: Elbow-length PVC gloves;

Respiratory: Avoid inhaling spray mist; Do not eat, drink or smoke until after washing.

Wash thoroughly after handling. After each day's use wash gloves, face shield and contaminated clothing.

### **5. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Pale brown coloured viscous liquid

pH: 5.0-8.0

Suspensibility: 70 %

### **6. FIRE AND EXPLOSION HAZARD**

Non combustible. Not considered to be a significant fire risk, Expansion or decomposition on heating may lead to violent rupture of containers, Decomposes on heating and may produce toxic/ irritating fumes, May emit acrid smoke, May emit poisonous fumes, May emit corrosive fumes.

Extinguishing Media: There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

Fire Fighting: Wear breathing apparatus plus protective gloves for fire only; Prevent, by any means available, spillage from entering drains or water courses; Use fire fighting procedures suitable for surrounding area; DO NOT approach containers



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](http://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](mailto:heranba@vsnl.com)

suspected to be hot; Cool fire exposed containers with water spray from a protected location; If safe to do so, remove containers from path of fire; Equipment should be thoroughly decontaminated after use.

## **7. REACTIVITY**

Conditions to avoid: Keep away from sources of ignition.

Incompatible materials: Strong oxidizing and reducing agents.

Hazardous decomposition products: Thermal decomposition products might include carbon monoxide and Carbon dioxide.

Hazardous Polymerization: Will not occur.

## **8. TOXICOLOGICAL DATA (A.I.)**

Oral LD<sub>50</sub> rat: 300 mg/kg; Dermal LD<sub>50</sub> rat: >2000 mg/kg; Inhalation LC<sub>50</sub> rat: 0.52 mg/L.

Primary skin irritation rabbit: Non-irritant; Irritation to mucous membrane rabbit: Minimal Irritant; Skin sensitization guinea pig: Non-sensitizer; ADI: 15-μ g /kg b.w.

Avoid contaminating waterways. The physical and environmental properties, as well as the environmental toxicity of alpha-cypermethrin are similar to cypermethrin.

**Ecotoxicity:** Very toxic to fish; 96 hr LC<sub>50</sub> (rainbow trout): 0.0028 mg/L; 48 hr EC<sub>50</sub> (daphnia magna): 0.1-0.3 ug/L

**TERRESTRIAL TOXICITY:** Oral LD<sub>50</sub> (quail): >10,000 mg/kg; Oral LD<sub>50</sub> (mallard duck): >10,000 mg/kg; Toxic to bees; 24 hr LD<sub>50</sub> (bee): 0.059 ug/bee; 14 day LD<sub>50</sub> (earthworm): >100 mg/kg artificial soil; No toxic effect observed under field conditions.

## **9. HANDLING AND STORAGE**

**Handling:** Use only in a well-ventilated area. Avoid contact with skin and eyes. Do not spray facing the wind.

**Storage:** Store product in the closed, original container in a safe, cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Protect from frost.

## **10. HEALTH HAZARD INFORMATION**

Routes of exposure: Inhalation: Yes Skin: Yes, Ingestion: Yes

Light exposures may cause light burning or transient tingling sensations on more sensitive areas of the skin, dermatitis.

Signs and symptoms of exposure: Skin disorders, eye irritation, nasal and respiratory irritation, nausea, cramps, and vomiting.

## **11. FIRST AID MEASURES**

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.



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](http://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](mailto:heranba@vsnl.com)

**Ingestion:** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical advice.

**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.

## **12. STABILITY AND REACTIVITY**

Stable under normal conditions. No hazards are expected if the material is handled, stored and used according to instructions and government regulations. Not known to produce hazardous reactions. Avoid oxidising agents, strong acids and alkalis.

Hazardous polymerisation: Not known to produce hazardous reactions.

Conditions to avoid: Avoid oxidising agents, strong acids and alkalis.

Incompatible materials: Avoid iron and alloys.

Hazardous decomposition products: Heating/combustion will generate oxides of carbon and nitrogen, and other irritant and toxic fumes.

## **13. SPILLS, LEAKAGE & DISPOSAL PROCEDURES**

Minor spills: Clean up all spills immediately; Avoid breathing vapours and contact with skin and eyes; Control personal contact by using protective equipment; Contain and absorb spill with sand, earth, inert material or vermiculite; Wipe up; Place in a suitable labelled container for waste disposal.

Major spills: Moderate hazard; Clear area of personnel and move upwind; Wear breathing apparatus plus protective gloves; Prevent, by any means available, spillage from entering drains or water course; Stop leak if safe to do so; Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling; Neutralise/decontaminate residue; Collect solid residues and seal in labelled drums for disposal; Wash area and prevent runoff into drains; After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using; If contamination of drains or waterways occurs, advise emergency services.

**Disposal:** Triple or preferably pressure rinse containers before disposal. Add rinsings to 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 the purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste product safely.

## **14. TRANSPORT INFORMATION**

**Proper Shipping Name:** Pyrethroid Pesticide, Liquid, Toxic

**IMDG Page code:** 6219

**UN No.:** 3352



**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

---

**IMCO Class:** 6.1

**EMS No.:** 6.1-02

#### **15. REGULATORY INFORMATION**

Risk phrases: R36 - Irritating to eyes.

R65 - Harmful: May cause lung damage if swallowed.

Safety phrases: in case of accident, flush eyes or skin with copious amounts of water; remove contaminated clothing and shoes; call a physician.

#### **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.