



Standard Pesticides Pvt. Ltd.  
Unit 2 - A1 47/6, GIDC Estate  
Nandesari - Dist: Vadodara 391 340

Material Safety Data Sheet

01<sup>st</sup> September, 2016

ICON 10 WP

## 1. Identification of the substance / preparation and of the company / undertaking

### Identification of the substance or preparation

Trade Name ICON 10WP

### Company / undertaking identification

**Company:** Standard Pesticides Pvt. Ltd.  
Unit 2  
A1-47/6, GIDC Estate  
Nandesari,  
Dist: Vadodara 391 340

**Telephone:** +91 265 2840975

**E-mail Address:** [dharmesh.trivedi@standardpesticides.com](mailto:dharmesh.trivedi@standardpesticides.com)

## 2. Composition / information on ingredients

### Chemical characteristic

|                         |   |
|-------------------------|---|
| <b>Formulation type</b> | A pyrethroid insecticide. A wettable powder with dispersing agents and fillers. |
| <b>EEC No.</b>          | 415-130-7 Lambda-cyhalothrin  |

### Hazardous Component(s)

| CAS        | Name               | %w/w     | Hazard Symbol | Risk Phrases      |
|------------|--------------------|----------|---------------|-------------------|
| 91465-08-6 | Lambda-cyhalothrin | 10 % w/w | T+,N          | R21-R25-R26-R50/5 |

### 3. Hazards Identification

A moderate irritant to eyes. Slightly irritant to skin. May cause tingling/numbness in exposed areas (paresthesia). May form flammable dust clouds in air. Very toxic to fish.

### 4. First-Aid Measures

If you feel unwell, seek medical advice (show the label where possible).

**Eye contact** : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

**Skin contact** : Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

**Inhalation** : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

**Ingestion** : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Induce vomiting, if this has not already occurred by tickling the back of the throat with a clean, blunt instrument (e.g. spoon handle).

**Medical advice** If the amount of chemical is judged to be less than a lethal dose, observe the patient and treat symptomatically. If gastric lavage is considered necessary, prevent aspiration of gastric material. Consider administration of activated charcoal and a laxative.

### 5. Fire-Fighting Measures

**Combustibility**: yes

#### Extinguishing media

**Suitable Extinguishing Media**: Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).

#### Fire fighting

This material can form flammable dust clouds at elevated temperatures. In small scale thermal stability tests exothermic decomposition was detected at 180°C, reaching a maximum temperature of 345°C. Keep fire exposed containers cool by spraying with water.

**Extinguishing media** : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers. Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### 6. Accidental Release Measures

**Personal precautions** : Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

**Clean up methods** : Cover spillage with moist sand, soil or sawdust. Protect against dust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

## 7. Handling and Storage

### Handling information

#### HANDLING

Read the label before use.

**Safe handling advice** : Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dusts. Do not breathe spray. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

#### STORAGE

**Safe storage advice** : Keep in original containers, tightly closed, out of 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.

## 8. Exposure controls / Personal protection

### Personal protection

When using this product refer to the label for details. Occupational exposure limits

**Hazardous ingredient** : Lambda-cyhalothrin 8 hr TWA 0.04 mg/m<sup>3</sup>

Sk : Can be absorbed through skin Not applicable to field use.

## 9. Physical and Chemical Properties

|                                     |                        |
|-------------------------------------|------------------------|
| <b>Form</b>                         | Powder                 |
| <b>Color</b>                        | off-white / pale cream |
| <b>Odour</b>                        | Not available.         |
| <b>Melting Point</b>                | Not available.         |
| <b>Boiling Point</b>                | Not available.         |
| <b>Autoignition temperature</b>     | Not available.         |
| <b>Minimum Ignition Temperature</b> | 600 .. 675 °C          |
| <b>Minimum Ignition</b>             | > 1000 mJ Energy       |

|                               |   |
|-------------------------------|---|
| <b>Dust explosion</b>         | Class Group A dust. The material may form flammable dust clouds in air. |
| <b>Ignition Class of Dust</b> | -   |
| <b>Explosive properties</b>   | Non-explosive.  |
| <b>Vapour pressure</b>        | Not available.  |
| <b>Bulk density</b>           | 0.2 .. 0.3 g/ml   |
| <b>Solubility</b>             | miscible in/with water  |
| <b>pH-value (quant.)</b>      | 5.5 .. 9 aqueous suspension 1 %w/v                                      |
| <b>Partition coeff.</b>       | Not available.  |
| <b>Oxidizing properties</b>   | Non-oxidising   |

## 10. Stability and Reactivity

### Hazardous decomposition products :

Combustion or thermal decomposition will evolve toxic and irritant vapours.

## 11. Toxicological Information

### ACUTE TOXICITY (LETHAL DOSES)

This material when packaged in a soluble sachet, presents a reduced hazard. This health hazard assessment is based on information available on similar formulations.

**Oral Median Lethal Dose rat** : approx 550 .. 650 mg/kg Low oral toxicity.

**Dermal Median Lethal Dose rat** : > 2000 mg/kg

**Median Lethal Concentration Inhalation rat** : 642 .. 855 µg/l 4 hours

Toxic by inhalation. Unlikely to be hazardous by inhalation unless present as a dust.

### ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

**Eye Irritation** : Moderate irritant to rabbit eyes.

**Skin Irritation** : Slight/mild irritant to rabbit skin.

**Skin Sensitisation** : Unlikely to cause skin sensitisation.

**Other Effects** : In humans may cause tingling or numbness in exposed areas (paraesthesia). The effect may result from splash, aerosol or transfer to the face from contaminated gloves and hands. This effect is transient, lasting up to 24 hours.

### CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure : No long term risks to man are associated with this material when handled and used as directed on the label.

## **12. Ecological Information**

### **ENVIRONMENTAL FATE AND DISTRIBUTION**

Inform. applies to : Lambda-cyhalothrin  
The substance is essentially insoluble in water.  
The substance has low mobility in soil.

### **BIOACCUMULATIVE POTENTIAL**

Inform. applies to : Lambda-cyhalothrin  
The substance has high potential for bioaccumulation. It is rapidly metabolised and excreted.

### **PERSISTENCE AND DEGRADATION**

Inform. applies to : Lambda-cyhalothrin  
There is evidence of rapid hydrolysis in soil.  
There is evidence of photodegradation in soil.  
There is evidence of photodegradation in water.  
There is evidence of rapid biodegradation in soil and water.

### **ECOTOXICITY**

This ecological assessment is calculated from data available on the components of the formulation.  
Toxicity to fish : LC50 96 hours rainbow trout : approx 4 µg/l  
Very toxic to fish.  
(Not necessarily identical to the EC classification risk phrases).

## **13. Disposal Considerations**

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes.

Disposal should be in accordance with local, state or national legislation.

## **14. Transport Information**

### **Road transport ADR/RID**

UN No. : UN3077  
Class-primary : 9 Miscellaneous Dangerous Goods  
Number/letter: : 12 / (c)  
Proper shipping name : 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., LAMBDA-CYHALOTHRIN MIXTURE

## Maritime transport IMDG

UN No. : UN3077

Class-primary : 9 Miscellaneous Dangerous Goods

UN Pack. Group : III

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains lambda-cyhalothrin 10%)

Marine pollutant : Yes

## Air transport ICAO/IATA

UN/ID No.: UN3335

Class-primary: 9 Miscellaneous Dangerous Goods

Proper shipping name: AVIATION REGULATED SOLID, N.O.S., (contains lambda-cyhalothrin 10%)

## 15. Regulatory Information

### Classification

IRRITANT

### Hazard symbols

Xi

### Risk Phrases

(R36) Irritating to eyes.

### Safety Phrases

(S2) Keep out of the reach of children. (S13) Keep away from food, drink and animal feeding stuffs. (S20/21) When using, do not eat, drink or smoke. (S22) Do not breathe dust. (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This substance is covered by the EEC Dangerous Substances Directive (CPL Regulations). It has therefore been labeled in accordance with these regulations. Users should ensure that they comply with any relevant local, state or national legislation.

## 16. Other Information

ICON is the Registered trademark of Syngenta.

Read the label before you buy: use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC). The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.