



# WILLOWOOD LIMITED

17/ F, Seaview Plaza, No. 283 Shau Kei Wan Road, Shau Kei Wan  
Hong Kong | Tel: (852) 2571-3011 | Fax: 2571-3410 | Email: sales@willowoodhk.com  
COMPANY WEBSITE: WWW.WILLOWOODHK.COM

ISO 9001:2008

## MATERIAL SAFETY DATA SHEET

### I. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**PRODUCT NAME:** VILOTRIN 5 EC

**Chemical Name**           Lambdacyhalothrin  
**Chemical Class:**        Insecticide  
**Uses:**                    Agriculture use and Public health and as specified on the product label

**Company: Willowood Limited.**

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#### Emergency Information concerning

- transport see emergency phone number in the shipping documents
- storage see emergency phone number of local Company organization

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Product description

A pyrethroid insecticide.

A wettable powder with dispersing agents and fillers.

	CAS No.	g/L	Hazard Risk ingredients	symbols Phrases
Lambda-cyhalothrin	91465-08-6	500	T+, N	R26-R25-R21-R50

### 3. HAZARD IDENTIFICATION

A moderate irritant to eyes. Slightly irritant to skin.

May cause tingling/numbness in exposed areas (paraesthesia).

May form flammable dust clouds in air.

Very toxic to fish.

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USA

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INDIA

AFRICA

CHINA

CENTRAL AMERICA

MANUFACTURING FACILITY: SHREEJI PESTICIDES LTD (A subsidiary of Willowood chemicals (Pvt) Ltd, India), Block 69/P, Village–  
Manjusar, Tal.Savli, Dist. Vadodara-Gujarat, India.

ISO 9001: 2008 / ISO 14001: 2004 / BS OHSAS-18001: 2007 CERTIFIED MANUFACTURING FACILITY





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## 4. FIRST-AID MEASURES

If you feel unwell, seek medical advice

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

Skin contact : Take off immediately all contaminated clothing. Wash skin immediately with cold water, followed by soap and water.

Such action is essential to minimize contact with skin.

Contaminated clothing should be washed before re-use.

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 this Data sheet, if possible. Induce vomiting, if this is not already occurred by

Tickling the back of the throat with a clean, blunt instrument.

### 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

This material can cause 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 must be worn in fire conditions.

## 6. ACCIDENTAL RELEASE MEASURES

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

Clean up Cover spillage with damp sand, earth or any suitable material.

methods: Protect against dust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering

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surface water drains.

Spillage or uncontrolled discharges into water courses must be alerted to the Department of Water Affairs/Environment.

## 7. HANDLING AND STORAGE

### HANDLING

Read the label before use.

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

### STORAGE

Safe storage Store under lock and key. Keep in original container, tightly sealed. advice: Store in a cool, dry place away from farm feeds and food stuff.  
Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Personal protection

When using this product refer to label for details.

### Occupation Exposure Limits

Hazardous ingredient : Lambda-cyhalothrin

8 hr TWA 0,4 mg/m<sup>3</sup>

Sk : Can be absorbed through skin.

Not applicable to field use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid .

Odour : Not available.

Boiling Point : Not available

Melting Point : Not available

Auto Ignition Temp. : Not available

Min. Ignition Temp. : 600 - 675 °C.

Min. Ignition Energy :1 000 ml

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Dust explosion : Class Group A dust. The material may form flammable dust clouds in air.

Explosion Properties : Not applicable

Vapour Pressure : Not available

Bulk Density : 0,4 - 0,5 g/ml

Solubility : miscible in/with water

pH-value (quant.) : 5,5 - 9 (1% m/v suspension)

Partial Coefficient : Not available

Oxidising Properties : Not applicable

## 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 packed in a soluble sachet, presents a reduced hazard.

This health hazard assessment is based on information available on similar formulations.

Oral Medium Lethal Dose rat : approx. 550 - 650 mg/kg

Low oral toxicity

Dermal Median Lethal Dose rat : > 2 000 mg/kg.

Median Lethal Concentration Inhalation rat : 642 - 855 µg/l ;4hr

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 Sensitization : Unlikely to cause skin sensitization.

Other Effects : In humans may cause tingling or numbness in exposed area (paraesthesia). The effect may result from splashes, or transfer to face from contaminated gloves or 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 the normal handling and use of this material.

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## 12. ECOLOGICAL INFORMATION

### 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 necessary identical to the EC classification risk phrases).

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate rivers, dams or any other water source with the chemical or used containers. Destroy containers by perforation and flattening. Bury in an approved dumping site. Do not re-use for any other purpose.

## 14. TRANSPORT INFORMATION

### Road transport

UN No. : UN3077

Class-primary : 9 Miscellaneous Dangerous Goods

**P.S.N.** : 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.. LAMBDA-CYHALOTHRIN MIXTURE

ROAD/RAIL : TREMCARD 3

### Maritime transport IMDG

UN No. : UN3077

Class-primary : 9 Miscellaneous Dangerous Goods

UN Pack. Group : III

**P.S.N.** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S..(Contains lambda-cyhalothrin 10%)

Marine pollutant : Yes

### Air transport ICAO/IATA

UN/ID No. : ID8027

Class-primary : 9 Miscellaneous Dangerous Goods

**P.S.N.** : OTHER REGULATED SUBSTANCE.

## 15. REGULATORY INFORMATION

Danger Group IV (SABS 0028-1990)

Classification : **IRRITANT**

Hazard Symbol : **Xi**

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Risk Phrases : (R36) Irritating to eyes.

Safety Phrases : (S2) Keep out of reach of children

(S13) Keep away from food, drink and animal feed stuffs.

(S20/21) When using do not eat, drink or smoke.

(S22) Do not breath dust.

(S26): In case of contact with eyes, rinse immediately with  
plenty of water and seek medical advice.

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## 16. OTHER INFORMATION

Use: To control insects pests.

Read the label before you buy: use pesticides safely.

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  
recommendation are not followed. All information is given in good faith but without guarantee  
in respect of accuracy, and no responsibility is accepted for errors or omissions or the  
consequence thereof.

@ Version-2016

-----END OF MSDS-----

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