

Material Safety Data Sheet

ICON 10 WP

I. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name : **ICON 10 WP**

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Emergency Information concerning

- transport see emergency phone number in the shipping documents

- storage see emergency phone number of local Syngenta organization

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description

A pyrethroid insecticide.

A wettable powder with dispersing agents and fillers.

Hazardous ingredients	CAS No.	g/kg	Hazard symbols	Risk Phrases
Lambda-cyhalothrin	91465-08-6	100	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.

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 minimise 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.

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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 precautions: Ensure suitable personal protection during removal of spillage. 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 damp sand, earth or any suitable material. Protect against dust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

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

Vapour Pressure : Not available
Bulk Density : 0,4 - 0,5 g/m^ℓ
Solubility : miscible in/with water
pH-value (quant.) : 5,5 - 9 (1% m/v suspension)
Partial Coefficient : Not available
Oxidising Properties : Not applicable

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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 Sensitisation : Unlikely to cause skin sensitisation.

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.

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).

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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**
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.

ICON is the property of a SYNGENTA Group company.

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.

Based on EC Safety Data Sheet issued by SYNGENTA South Africa (Pty) Ltd., UK
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