

EC Safety Data Sheet
ICON 2.5EC

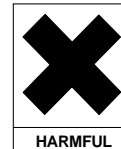
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1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : ICON 2.5EC
 Company : SYNGENTA
 Fernhurst
 Haslemere
 Surrey GU27 3JE
 Phone number : (01428) 644061 Fax: (01428) 652922
 Emergency phone : (01622) 814777



2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description : A pyrethroid insecticide.
 An emulsifiable concentrate.

EEC-No. : 415-130-7 Lambda-cyhalothrin
 EEC-No. : 265-199-0 Solvent naphtha (petroleum), light aromatic

<u>Hazardous ingredients</u>	<u>CAS-No.</u>	<u>Hazard symbols</u>	<u>Risk Phrases</u>	<u>Concentration</u>
Lambda-cyhalothrin	91465-08-6	T+,N	R26-R25-R21-R50	25 g/l
Solvent naphtha (petroleum), light aromatic	64742-95-6 5	Xn,N	R10-R37-R51/53-R6	> 500 g/l
Alkylphenol Ethoxylate		Xn	R22-R36/38-R53	< 100 g/l

3. HAZARDS IDENTIFICATION

Harmful if swallowed.
 This material causes irritation following skin contact and can cause serious damage to the eyes.
 May cause tingling/numbness in exposed areas (paraesthesia).
 Flammable.
 Very toxic to aquatic organisms.

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.
 Do not induce vomiting.
Medical advice: Gastric lavage may be effective when performed within 4 hours of ingestion.
 Aspiration of this material into the lungs should be avoided.
 Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

- Flammable.** 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 polar-resistant 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 organic vapours, eye protection, chemically resistant gloves, boots and coveralls.
- Clean up methods:** Adsorb spillages onto sand, earth or any suitable adsorbent material. 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 watercourses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

- HANDLING :-** Read the label before use.
- Safe handling advice** : Avoid contact with skin and eyes. Do not breathe spray. Avoid inhalation of high concentrations of vapours. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
- STORAGE:-**
- Safe storage advice** : Keep only in the original container. Keep container tightly closed. Keep out of the 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.
- Hazardous ingredient** : Occupational exposure limits
: Lambda-cyhalothrin SYNGENTA Standard
8 hr TWA 0.04 mg/m³
- Sk** : Can be absorbed through skin
- Hazardous ingredient** : Mixed hydrocarbon solvents OES/HSE
8 hr TWA 200 mg/m³
(Manufacturer/Supplier's Calculation)
Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Colour	: almost colourless to pale yellow
Odour	: aromatic
Boiling point	: Not available.
Melting point	: Not available.
Flash point	: not less than 38 °C
Autoignition temperature	: Not available.
Explosive properties	: Not applicable
Density	: 0.9 g/ml
Solubility	: miscible in/with water
pH-value (quant.)	: Not available.
Partition coeff.	: Not available.
Oxidizing 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)

Oral Median Lethal Dose rat : 923 .. 1930 mg/kg

Harmful if swallowed.

Dermal Median Lethal Dose rat : (calculated) > 4000 mg/kg

Inhalation : Unlikely to cause harmful effects under normal conditions of handling and use.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation : The concentrate is at least a severe eye irritant.

Skin Irritation : Severe irritant to rat skin.

Skin Sensitisation : It is a mild skin sensitiser in animal tests.
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 the normal handling and use of this material.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Toxicity to fish : LC50 96 hours rainbow trout
: (flow through) 13.6 µg formulation/l
Very toxic to aquatic organisms.
(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. : UN1993
 Class-primary : 3 Flammable Liquid
 Number/letter: : 31 / (c)
 Proper shipping name : 1993 FLAMMABLE LIQUID, N.O.S., SUBSTITUTED BENZENOID HYDROCARBONS

Maritime transport IMDG

UN No. : UN1993
 Class-primary : 3.3 Flammable Liquid
 UN Pack. Group : III
 Proper shipping name : FLAMMABLE LIQUID, N.O.S., (contains substituted benzenoid hydrocarbons and lambda-cyhalothrin 2.5%)

Marine pollutant : Yes

Air transport ICAO/IATA

UN/ID No.: : UN1993
 Class-primary : 3 Flammable Liquid
 UN Pack. Group : III
 Proper shipping name : FLAMMABLE LIQUID, N.O.S., (contains substituted benzenoid hydrocarbons and lambda-cyhalothrin 2.5%)

15. REGULATORY INFORMATION

Classification : HARMFUL FLAMMABLE
 Hazard symbols : Xn
 Risk Phrases : (R22) Harmful if swallowed.
 (R41) Risk of serious damage to eyes.
 (R38) Irritating to skin.
 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.
 (S25) Avoid contact with eyes.
 (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 (S46) If swallowed, seek medical advice immediately and show this container or label.
 Special label : (SO53) Do not re-use container, keep tightly closed in safe place.

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

16. OTHER INFORMATION

Use: : To control insect pests.

ICON is the property of a SYNGENTA Group company.

Read the label before you buy : use pesticides safely.

- This data sheet was prepared in accordance with Directive 91/155/EC (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.

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