

AGRI SCIENCES
EC Safety Data Sheet

LOMBARDO

Date of issue: 1/05/2005

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

Product name : LOMBARDO

Company : AGRI SCIENCES TARIN VE İLAÇ SAN.TİC.ltd. Şti.
Bekir Saydam Cd. No31 Pancar İzmir Türkiye

Phone number : +90 232 864 13 33

Emergency phone :
+90 114

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description

A pyrethroid insecticide.
An emulsifiable concentrate.

EEC-No. : 415-130-7 Lambda-cyhalothrin

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Lambda-cyhalothrin (Classification according to Directive 67/548/EEC) 91465-08-6 T+,N	R21-R25-R26-R50/5	3		50 g/l
xylene, mixture of isomers	1330-20-7	Xn	10-20/21-38	

3. HAZARDS IDENTIFICATION

Harmful if swallowed. May cause damage if aspirated into the lungs.
A severe irritant to skin and eyes. May cause tingling/numbness in exposed areas (paresthesia).
Combustible.
Very toxic to aquatic organisms.

4. FIRST AID MEASURES

If swallowed seek medical advice immediately and show this container or label.

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.

AGRI SCIENCES
EC Safety Data Sheet

LOMBARDO

Date of issue: 1/05/2005

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 extinguishing. 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 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 water courses 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 in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.

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/m³

Sk : Can be absorbed through skin

Hazardous ingredient : Mixed hydrocarbon solvents OES/HSE

8 hr TWA 500 mg/m³

(Manufacturer/Supplier's Calculation)

Not applicable to field use.

AGRI SCIENCES
EC Safety Data Sheet

LOMBARDO

Date of issue: 1/05/2005

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : light yellow
Odour : aromatic
Boiling point : Not available.
Melting point : Not available.
Flash point : min 26 °C
Autoignition temperature : Not available.
Explosive properties : Not applicable
Vapour pressure : Not available.
Density : 0,9 g/ml
Solubility : miscible in/with water
pH-value (quant.) : 6 ± 1,5
Partition coeff. : Not available.
Oxidizing properties : Not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapors.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

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

LD50 Oral rat
: approx 668 mg/kg
Harmful if swallowed.

The solvent(s) in this product may cause bronchopneumonia or pulmonary edema if aspirated into the respiratory system during ingestion or from vomiting.

LD50 Dermal rat
: (calculated) > 4000 mg/kg

LC50 Inhalation male rats
: 1.384 mg/l 4 hours

LC50 Inhalation female rats
: 1 mg/l 4 hours

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 rabbit skin.

Skin Sensitizations
: Unlikely to cause skin sensitization.

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.

AGRI SCIENCES
EC Safety Data Sheet

LOMBARDO

Date of issue: 1/05/2005

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

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.

This environmental hazard assessment is based on information available on similar products.

Toxicity to fish : LC50 96 hours rainbow trout
: 16.6 µg/l

Toxicity to daphnia : EC50 48 hours daphnia magna
: 1.8 µg/l

Very toxic to aquatic organisms.

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

Transport Classification Rail/Road RID/ADR

Kemmler

UN Number Class Cipher Index CEFIC Number Label

1993 3 31C 30 30G35_CLM 3

Proper Shipping Name

FLAMMABLE LIQUID,N.O.S.

Additional Information

(XYLENE)

Transport Classification Sea IMDG-CODE

UN Number Class Page Packing Group EMS Number MFAG Number Label

AGRI SCIENCES
EC Safety Data Sheet

LOMBARDO

Date of issue: 1/05/2005

1993 3.3 3345 III 3-06 310 3

M

Proper Shipping Name

FLAMMABLE LIQUID,N.O.S.

Additional Information

(XYLENE AND Lambda-cyhalothrin 5 %,MARINE POLLUTANT)

Transport Classification Air ICAO

UN Number Class Packing Group Label

1993 3 III 3

Loading Allowable

Instructions for Amount for Loading

Passengers- Passengers- Instructions for Allowable Amount

Aircraft Aircraft Cargo for cargo Assessment

309 601 310 2201

Proper Shipping Name

FLAMMABLE LIQUID,N.O.S.

Additional Information

(XYLENE)

Label Code E

15. REGULATORY INFORMATION

Classification : **HARMFUL**

Hazard symbols : **Xn**

Risk Phrases : (R22) Harmful if swallowed.

(R10) Flammable.

(R38) Irritating to skin.

(R41) Risk of serious damage 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.

(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 : (S053) Do not re-use container, keep tightly closed in a safe place.

16. OTHER INFORMATION

Use: : To control insects in agricultural and horticultural crops.

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.