

# Safety data sheet

IT LAMBDA

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

MAPP: 13451 Prepared on: 14-04-2009/ HSV Replaces: 11-03-2009	Distributor: <b>Inter-Trade Agro ApS</b> <b>Halsvej 139</b> <b>DK - 9310 Vodskov</b>
<b>Product use:</b> FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL INSECTICIDE	<b>Denmark</b> <b>Tel: +45 9825 7700 Fax: +45 9825 7710</b> <b>Emergency telephone number: +45 98 25 77 00</b> <b>Email: inter@mail.tele.dk</b>

## 2. Hazards identification

Harmful by inhalation, in contact with skin and if swallowed. Harmful: May cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Irritating to eyes, respiratory system and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Flammable.
<b>Additional information</b> Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

## 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
265-199-0	64742-95-6	Solvent naphtha (petroleum), light arom.	R10 Xn;R65 Xi;R37 N;R51/53	60-100
200-751-6	71-36-3	Butan-1-ol	R10 Xn;R22 Xi;R37/38-41 R67	1-5
415-130-7	91465-08-6	Lambda-cyhalothrin (50 g/l)	Xn;R21 T;R25 T+;R26 N;R50/53	5,7

Please see section 16 for the full text of the R-phrases

## 4. First aid measures

<b>Inhalation</b> Seek fresh air. Call for medical attention or ambulance.
<b>Ingestion</b> Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice immediately.
<b>Skin</b> Immediately remove contaminated clothing. Wash skin with soap and water. Seek medical advice immediately.
<b>Eyes</b> Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
<b>Other information</b> When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

## 5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire. Use water or water mist to cool non-ignited stock. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air.
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## 6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains. Prevent spillage from entering drains and/or surface water. Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal.
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## 7. Handling and storage

### Handling

See section 8 for information about precautions for use and personal protective equipment. Smoking and naked flames prohibited. Avoid contact with skin and eyes.

### Storage

Do not store together with food, drink and animal feeding stuffs. Keep out of reach of children. Keep in tightly closed original packaging. Store frost-free.

## 8. Exposure controls/ personal protection

### Precautions for use

All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Smoking and naked flames prohibited.

### Respiratory protection

Wear respiratory protective equipment with filter A2P3.

### Gloves and protective clothing

Preparation: Wear gloves made of nitrile, protective suit and boots.

Application: Wear protective suit with hood, gloves made of nitrile and boots.

Wash hands and exposed skin before eating and drinking and after work.

### Eye protection

Wear face shield.

### Occupational exposure limits

Ingredients	Exposure limit	Remarks
Butan-1-ol	- (8h), 50 (15m) ppm - (8h), 154 (15m) mg/m <sup>3</sup>	Sk

### Remarks

SK: Can be absorbed through skin

### Control methods

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

## 9. Physical and chemical properties

State: Liquid

Density: 0,896 g/mL

Flash point: 44,5 °C

## 10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions. However, the product may develop toxic fumes when heated.

## 11. Toxicological information

### **Acute**

#### **Inhalation**

Harmful by inhalation. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Inhalation of vapours is irritating to the upper airways.

#### **Ingestion**

Harmful if swallowed. May cause chemical pneumonia if ingested or vomited. Irritates mucous membranes in mouth and gastrointestinal tract.

#### **Skin contact**

Harmful in contact with skin. Irritating to skin – may cause reddening.

#### **Eye contact**

Irritating to eyes. Causes a burning sensation and tearing.

### **Long-term effects**

#### **May cause damage to the central nervous system**

Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

## 12. Ecological information

Avoid discharge to drain or surface water.

### **Ecotoxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. Disposal considerations

Do not reuse container for any purpose.

Wash out container thoroughly, empty washings into spray tank, and dispose of safely.

EWC code: Depends on line of business and use, for instance 02 01 08 agrochemical waste containing dangerous substances

Absorbent/cloth contaminated with the product:

EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

## 14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**ADR:** UN 1993 ; FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom.) ; 3 ; III ; D/E

**IMDG:** UN 1993 ; FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light arom.) ; 3 ; III

Classification code: F1 Label ADR: 3 Hazard identification number: 30

Flash point: 44,5°C Label IMDG: 3 IMDG EmS.: F-E, S-E

Transport according to ADR 1.1.3.6:Factor: 1. Maximum total quantity per transport unit: 1 000 l/kg.

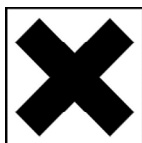
The product is environmentally hazardous.

### Limited quantities

ADR: Maximum quantity: 5 L per inner packaging and 30 kg per package for combination packaging. When using shrink or stretch wrapping, the limit is 5 L per inner packaging and 20 kg per package (inner packagings must be made of metal or plastic which does not break or perforate easily).

IMDG:Maximum quantity: 5 L per inner packaging and 30 kg per package for combination packaging. When using shrink or stretch wrapping, the limit is 20 kg gross per package (inner packagings must be made of metal or plastic which does not break or perforate easily).

## 15. Regulatory information



Harmful



Dangerous for the environment

**Hazard designation:** Harmful; Dangerous for the environment

**Hazard symbols:** Xn;N

### Contains

Lambda-cyhalothrin (50 g/l)

### R-phrases

Harmful by inhalation, in contact with skin and if swallowed. (R20/21/22)

Harmful: May cause lung damage if swallowed. (R65)

Vapours may cause drowsiness and dizziness. (R67)

Irritating to eyes, respiratory system and skin. (R36/37/38)

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R50/53)

Flammable. (R10)

### S-phrases

Do not breathe vapour/spray. (S23)

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

After contact with skin, wash immediately with plenty of water. (S28)

Wear suitable protective clothing and gloves. (S36/37)

In case of insufficient ventilation, wear suitable respiratory equipment. (S38)

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. (S62)

### Other labelling

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

WEAR SUITABLE PROTECTIVE CLOTHING COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WASH CONCENTRATE from skin or eyes immediately.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, or within 1m from the top of any ditch which is dry at the time of application. Aim spray away from water.

THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE Local Environment Risk Assessment for Pesticides (LERAP) HORIZONTAL BOOM SPRAYERS SCHEME.

FOR BROADCAST AIR-ASSISTED SPRAYERS ONLY.

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 38m of the top of the bank of a static or flowing water body, unless a LERAP permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.

TO PROTECT NON-TARGET INSECTS/ARTHROPODS respect an untreated buffer zone of 5m to non-crop land

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

This material and its container must be disposed of in a safe way.

DO NOT REUSE CONTAINER for any purpose.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

Safety data sheet available for professional user on request.

### Chemical safety assessment

Chemical safety assessment has not been performed.

## 16. Other information

### Restrictions on use

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL INSECTICIDE

Young people under the age of 18 may not work with or be exposed occupationally to the product. However, young people above the age of 15 are exempt from this rule if the product is used as a necessary part of a training programme.

### Training requirement

No special training is required, but a thorough knowledge of this data safety sheet should be a prerequisite condition.

### Line of business

Agriculture and horticulture

### Packaging

1 litre

### Sources used

ADR 2009 edition and IMDG 2008 edition.

SI 2002/1689 The chemicals (Hazard Information and Packaging for Supply) Regulations 2002 + Directive 2006/8/EC.

Approved Supply List (seventh edition): Information approved for the classification and labelling of substances and preparations dangerous for supply. Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, 29./30./31. ATP.

EH40/2005 Workplace exposure limits.

SI 2005/895 The List of Wastes (England) Regulations 2005

### Other information

This safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

### Full text of the R-phrases that are stated in section 3.

R10 Flammable.

R21 Harmful in contact with skin.

R22 Harmful if swallowed.

R25 Toxic if swallowed.

R26 Very toxic by inhalation.

R37 Irritating to respiratory system.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

### Amendments have been made in the following sections

1,14,16