

PRODUCT AND COMPANY IDENTIFICATION

Trade Name	Demand CS
Product Code	LAMB97201
Intended Use	FOR USE ONLY AS AN INSECTICIDE The product must be used only in accordance with the label. Health and Safety Executive HSE 6287
Appearance	A cream liquid.
Manufacturer/Supplier Address	Sorex Limited St Michael's Industrial Estate, Widnes, Cheshire WA8 8TJ United Kingdom
Phone Number (24h)	+44 (0) 151-420 7151
Fax Number	+44 (0) 151-495 1163

COMPOSITION/INFORMATION ON THE COMPONENTS**Hazardous Components in Preparation**

Component Name	CAS No.	Concentration	Classification
1. Lambda-cyhalothrin	91465-08-6	9.62%	T+;R21 R25 R26, N;R50/53
2. Solvent naphtha (petroleum), light aromatic	64742-95-6	< 10%	R10, Xn;R37 R66 R67, N;R51/53

N	Dangerous to the Environment.
T+	Very toxic.
Xn	Harmful
R10	Flammable.
R21	Harmful in contact with skin.
R25	Toxic if swallowed.
R26	Very toxic by inhalation.
R37	Irritating to respiratory system.
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.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

PRODUCT HAZARD IDENTIFICATION

HARMFUL

DANGEROUS
TO THE
ENVIRONMENT**Main Hazards**

Harmful by inhalation.
Contact with skin or eyes may cause irritation.
Skin contact may cause transient sensations (tingling, burning or numbness) which disappear after a few hours. Avoid all contact with the skin, especially sensitive areas.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



FIRST AID MEASURES

First Aid - Eyes	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. If irritation persists obtain medical advice.
First Aid - Skin	Wash skin with soap and water. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use.
First Aid - Ingestion	Do not induce vomiting. Obtain medical advice if necessary.
First Aid - Inhalation	Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.
Advice to Physicians	Following ingestion, adsorbents such as activated charcoal may be of value. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre or Sorex Limited.

FIRE FIGHTING MEASURES

General Hazard	This product is non-flammable.
Extinguishing Media	Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide. Avoid run-off into water courses.
Unsuitable Extinguishing Media	Do not use water jet.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing.
Environmental Precautions	Keep away from drains, sewers, surface and ground water, soil and vegetation. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
Spillages	Any spillages should be cleared up immediately and disposed of safely. Contain and absorb using earth, sand or other inert material. Wash contaminated surfaces with detergent solution. Retain rinsings as contaminated waste.

HANDLING AND STORAGE

Storage	Store in original container under cool and dry conditions in a secure, well ventilated place, inaccessible to children and away from foodstuffs and animal feedstuffs. Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.
Handling	The product must be used only in accordance with the label. When using, do not eat, drink or smoke. Wash hands, face and exposed skin before eating, drinking or smoking. Refer also to the section 'Exposure Controls/Personal Protection'.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

- | | |
|---|--|
| 1. Lambda-cyhalothrin | Syngenta standard 0.04 mg/m ³ 8 hr TWA
Can be absorbed through skin. |
| 2. Solvent naphtha (petroleum), light aromatic | UK EH40: OES 100 mg/m ³ 8h TWA. |

Respiratory Protection	Respiratory protection if there is a risk of uncontrolled exposure to vapour.
Hand Protection	PVC or rubber gloves.
Eye Protection	Chemical goggles or face shield must be worn.
Body Protection	If there is danger of splashing, wear overall or apron.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Cream.
Flash Point (°C)	Does not flash.
Flammability	Not flammable.
Solubility in Water (kg/m³)	Miscible.
Relative Density	1.033 g/ml.
Explosive Properties	None.
Oxidising Properties	None.

STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use.
Hazardous Decomposition Products	Combustion or thermal decomposition will evolve toxic and irritant vapours.

TOXICOLOGICAL INFORMATION

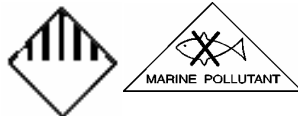
Acute Toxicity	Oral LD50 (rat) >5000 mg/kg. Dermal LD50 (rat) > 4000 mg/kg. Inhalation LC50 (rat) > 4.62 mg/litre/4h.
Irritancy - Eyes	Irritating to eyes.
Irritancy - Skin	Irritating to skin.
Skin Sensitisation	Substance has been reported to have some skin sensitising potential when tested by the following procedures:- Buehler.

ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water. The product may absorb onto soils and sediments.
Ecotoxicity	Avoid environmental contamination. Very toxic to fish and aquatic invertebrates. Do not contaminate ponds, waterways or ditches with the product or used containers.

DISPOSAL

Product Disposal	The best means of disposal of any product is through proper use according to the label.
Container Disposal	Do not dispose of the pack in domestic refuse. Empty completely, puncture or crush, and dispose of safely.

TRANSPORT INFORMATION**Labelling**

UN Number	3082
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (lambda-cyhalothrin 10% and substituted benzenoid hydrocarbons)
UN Class	9
UN Packing Group	III
ADR/RID - Item No.	11(c)
ADR/RID - Hazard Identification Number	90
CEPIC - Tremcard No.	90GM6-III
IMDG - Marine Pollutant	Yes

REGULATORY INFORMATION

Intended Use

FOR USE ONLY AS AN INSECTICIDE

The product must be used only in accordance with the label.



HARMFUL



DANGEROUS
TO THE
ENVIRONMENT

R phrases

R20 Harmful by inhalation.

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

S phrases

S2 Keep out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

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

S35 This material and its container must be disposed of in a safe way.

S46 If swallowed seek medical advice immediately and show this container or label.

S57 Use appropriate container to avoid environmental contamination.

OTHER INFORMATION

For use only as specified on the label.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. A data sheet does not constitute a COSHH assessment.

Demand CS is a Trade Mark of Syngenta Group company.

This data sheet was prepared in accordance with the European Directive 93/112/EC.
