

## 01. PRODUCT AND COMPANY IDENTIFICATION

<b>Trade Name</b>	221L DEMAND
<b>Product Code</b>	INSE86415
<b>Intended Use</b>	FOR USE ONLY AS AN INSECTICIDE The product must be used only in accordance with the label. Health and Safety Executive HSE 8196
<b>Appearance</b>	An aerosol presentation.
<b>Manufacturer/Supplier</b>	Sorex Limited
<b>Address</b>	St Michael's Industrial Estate, Widnes, Cheshire WA8 8TJ United Kingdom
<b>Phone Number (24h)</b>	+44 (0) 151-420 7151
<b>Fax Number</b>	+44 (0) 151-495 1163
<b>Email</b>	<a href="mailto:enquiries@sorex.com">enquiries@sorex.com</a>

## 02. HAZARDS IDENTIFICATION



HIGHLY FLAMMABLE



IRRITANT

### Main Hazards

Highly flammable.  
Irritating to eyes and respiratory system.  
Harmful: may cause lung damage if swallowed.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components in Preparation

Component Name	CAS No.	Concentration	Classification
1. Lambda-cyhalothrin	91465-08-6	0.05%	T+;R26, N;R50/53, R25, R21
2. Isopropyl alcohol	67-63-0	> 80.0%	F;R11, Xi;R36, R67
3. Petroleum Distillate, Hydrotreated, Light	64742-47-8	10.0%	Xn;R65

F	Highly flammable.
N	Dangerous to the Environment.
T+	Very toxic.
Xi	Irritant.
Xn	Harmful.
R11	Highly flammable.
R21	Toxic if swallowed.
R25	Toxic if swallowed.
R26	Very toxic by inhalation.
R36	Irritating to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful.
R67	Vapours may cause drowsiness and dizziness.

## 04. FIRST AID MEASURES

<i>First Aid - Eyes</i>	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
<i>First Aid - Skin</i>	Wash skin with soap and water. Obtain medical advice if necessary.
<i>First Aid - Ingestion</i>	Do not induce vomiting. Wash out mouth with water. Obtain medical advice if necessary.
<i>First Aid - Inhalation</i>	Remove from exposure. Keep warm and at rest. In case of severe intoxication, give artificial respiration. Obtain medical advice if necessary.

### **Advice to Physicians**

Inhalation of high concentrations of vapour will cause drowsiness, headaches and giddiness. Severe exposure may lead to unconsciousness. Treat symptomatically. For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information Centre or Sorex Limited.

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## 05. FIRE-FIGHTING MEASURES

	Pressurised container, do not expose to temperatures exceeding 50°C.
<i>Extinguishing Media</i>	Use foam, dry chemical or carbon dioxide. Keep fire exposed, but undamaged, containers cool with a water spray. Do not allow run-off to enter water courses.
<i>Protective Equipment for Fire-Fighting</i>	Wear full protective clothing and self-contained breathing apparatus.

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## 06. ACCIDENTAL RELEASE MEASURES

<i>Spillages</i>	Unlikely to occur under normal conditions. Surfaces on to which the aerosol has been accidentally discharged should be washed with detergent solution.
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## 07. HANDLING AND STORAGE

<i>Handling</i>	The product must be used only in accordance with the label. Use in well ventilated area. Avoid contact with eyes, skin and clothing. Refer also to the section 'Exposure Controls/Personal Protection'.
<i>Storage</i>	Protect from sunlight and do not expose to temperatures exceeding 50°C. 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.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Standards

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|--|--|
| 1. Lambda-cyhalothrin                        | None assigned.   |
| 2. Isopropyl alcohol                         | UK EH40: OES 400 ppm (999 mg/m <sup>3</sup> ) 8h TWA.<br>UK EH40: OES 500 ppm (1250 mg/m <sup>3</sup> ) 15min TWA. |
| 3. Petroleum Distillate, Hydrotreated, Light | None assigned.   |

Exposure controls should be implemented with due regard to the hierarchy of controls (elimination, substitution, local exhaust ventilation, operating procedures and Personal Protective Equipment (PPE)). PPE should only be used as a last resort where exposure cannot be controlled by other means.

**Respiratory Protection** Respiratory protection if there is a risk of exposure to high vapour concentrations.

**Hand Protection** Nitrile rubber gloves (CE 0086).

**Eye Protection** Chemical goggles (EN 374).

**Body Protection** Not normally required.

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## 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Aerosol.
<b>Colour</b>	Clear.
<b>Odour</b>	Characteristic.
<b>Relative Density</b>	0.78 at 20 °C.
<b>pH</b>	10 at 1% w/w in water.
<b>Flash Point, °C</b>	12.5.
<b>Flammability</b>	R11 Highly flammable.
<b>Solubility in Water</b>	Miscible.

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions of use.
<b>Hazardous Decomposition Products</b>	Hazardous decomposition products are not expected to be formed during normal storage.

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	Oral LD50 (rat) 1500-5000 mg/kg. Dermal LD50 (rat) >5000 mg/kg. Inhalation LC50 (rat) >2.01 mg/litre/4h.
<b>Irritancy - Eyes</b>	Irritating to eyes.
<b>Irritancy - Skin</b>	Irritating to skin.
<b>Skin Sensitisation</b>	Studies have not revealed any evidence of skin sensitisation effects.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Hazardous to fish and aquatic invertebrates. Do not contaminate ponds, waterways or ditches with the product or used containers.

This product does not contain any propellants alleged to damage the ozone layer.

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## 13. DISPOSAL CONSIDERATIONS

**Product Disposal**

The best means of disposal of any product is through proper use according to the label. This product must be disposed of as controlled waste.

**Container Disposal**

Do not burn or pierce. This container must be disposed of as controlled waste.

Any disposal must comply with Local and National Requirements. Refer also to relevant EU provisions.

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## 14. TRANSPORT INFORMATION



FLAMMABLE GAS

<b>UN Number</b>	1950
<b>UN Proper Shipping Name</b>	AEROSOLS
<b>UN Class</b>	2.1
<b>ADR/RID - Hazard Identification Number</b>	23
<b>CEPIC - Tremcard No.</b>	20G5F
<b>IMDG - Ems Number</b>	2-13
<b>IATA - Proper Shipping Name</b>	AEROSOLS, FLAMMABLE, N.O.S.
<b>IATA - Class</b>	2.1

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## 15. REGULATORY INFORMATION

**Intended Use**

FOR USE ONLY AS AN INSECTICIDE

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



HIGHLY FLAMMABLE



IRRITANT

**Regulatory Information (*continued*)**

***R phrases***

R11 Highly flammable.  
R36/38 Irritating to eyes and skin.  
R65 Harmful: may cause lung damage if swallowed.  
R67 Vapours may cause drowsiness and dizziness.

***S phrases***

S16 Keep away from sources of ignition - No Smoking.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S23 Do not breathe gas/fumes/vapour/spray.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

***EC Classification***

F;R11, Xi;R36/38, R65

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**16. OTHER INFORMATION**

For use only as specified on the label.

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

This data sheet was prepared in accordance with the European Directive 91/155/EEC as amended by 93/112/EC and 2001/58/EC.

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