

**01. PRODUCT AND COMPANY IDENTIFICATION**

<b>01. Trade Name</b>	Sorgene 5
<b>Product Code</b>	SORG97410
<b>Intended Use</b>	FOR USE AS A DISINFECTANT The product must be used only in accordance with the label.
<b>Appearance</b>	A colourless liquid with a pungent characteristic odour.
<b>Manufacturer/Supplier Address</b>	Sorex Limited 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

**02. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous Components in Preparation**

<b>Component Name</b>	<b>CAS No.</b>	<b>Concentration</b>	<b>Classification</b>
1. Hydrogen peroxide	7722-84-1	23.5%	O;R8, C;R34
2. Peracetic acid	79-21-0	4.3%	R10, O;R7, Xn;R20/21/22, C;R35, N;R50

C	Corrosive.
N	Dangerous to the Environment.
O	Oxidizing.
Xn	Harmful.
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R50	Very toxic to aquatic organisms.
R7	May cause fire.
R8	Contact with combustible material may cause fire.

**03. HAZARDS IDENTIFICATION**

CORROSIVE.

**Main Hazards**

Causes burns.

Sorgene 5 is an oxidising agent and is corrosive. When in contact with the skin, ingested or inhaled it may cause severe burns. Risk of serious damage to eyes.

**04. FIRST AID MEASURES****First Aid - Eyes**

Wash out eyes immediately with copious amounts of water or 2% sodium bicarbonate solution for at least 15 minutes. Obtain medical attention urgently.

**First Aid - Skin**

Immediately wash skin thoroughly with soap and water. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical advice if necessary.

**FIRST AID MEASURES (continued)**

<b>First Aid - Ingestion</b>	Do not induce vomiting. Wash out mouth with water. Have the patient drink plenty of water and obtain medical advice.
<b>First Aid - Inhalation</b>	Remove from exposure. Keep warm and at rest. Obtain medical advice immediately.
<b>Advice to Physicians</b>	Sorgene 5 is an oxidising agent and is corrosive and irritant. It can cause severe burns. 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**

	This product is non-flammable, but will release oxygen as a decomposition product.
<b>Extinguishing Media</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>Protective Equipment for Fire-Fighting</b>	Wear full protective clothing and self-contained breathing apparatus.

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**06. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Wear appropriate protective clothing.
<b>Spillages</b>	Any spillages should be cleared up immediately. Wash away with large quantities of water.

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**07. HANDLING AND STORAGE**

<b>Handling</b>	The product must be used only in accordance with the label. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing.
<b>Storage</b>	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.

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**08. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Standards**

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|-----------------------------|---|
| <b>1. Hydrogen peroxide</b> | UK EH40: OES 2 ppm (2.8 mg/m <sup>3</sup> ) 15min TWA.<br>UK EH40: OES 1 ppm (1.4 mg/m <sup>3</sup> ) 8h TWA. |
| <b>2. Peracetic acid</b>    | 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.

<b>Respiratory Protection</b>	Respiratory protection if there is a risk of exposure to high vapour concentrations.
<b>Hand Protection</b>	PVC or rubber gloves.
<b>Eye Protection</b>	Chemical goggles if there is a risk of splashing.

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**09. PHYSICAL AND CHEMICAL PROPERTIES**

<i>Physical State</i>	Liquid.
<i>Colour</i>	Almost colourless.
<i>Odour</i>	Pungent.
<i>Relative Density</i>	1.11.
<i>Solubility in Water</i>	Miscible.
<i>Explosive Properties</i>	None.
<i>Oxidising Properties</i>	Yes.

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**10. STABILITY AND REACTIVITY**

<i>Stability</i>	This product is stabilised and expected to be stable under normal conditions of use.
<i>Conditions to Avoid</i>	Temperatures in excess of 35 °C. Exposure to direct sunlight.
<i>Hazardous Decomposition Products</i>	Hazardous decomposition products are not expected to be formed during normal storage.

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**11. TOXICOLOGICAL INFORMATION**

<i>Acute Toxicity</i>	Oral LD50 (rat) 1510 mg/kg.
<i>Irritancy - Eyes</i>	This material is corrosive to the eye.
<i>Irritancy - Skin</i>	This material is corrosive to the skin.
<i>Skin Sensitisation</i>	Studies have not revealed any evidence of skin sensitisation effects.

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**12. ECOLOGICAL INFORMATION**

<i>Ecotoxicity</i>	Sorgene 5 is an oxidising agent but drenching with water renders the product harmless.
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**13. DISPOSAL CONSIDERATIONS**

<i>Product Disposal</i>	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.
<i>Container Disposal</i>	This container must be disposed of as controlled waste.  Any disposal must comply with Local and National Requirements. Refer also to relevant EU provisions.

## 14. TRANSPORT INFORMATION



<b>UN Number</b>	3149
<b>UN Proper Shipping Name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
<b>UN Class</b>	5.1
<b>UN Subsidiary Risk</b>	8
<b>UN Packing Group</b>	II
<b>ADR/RID - Hazard Identification Number</b>	58
<b>CEPIC - Tremcard No.</b>	51GOC1-I+II+III
<b>IMDG - Ems Number</b>	5.1-02
<b>IATA - Proper Shipping Name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
<b>IATA - Class</b>	5.1

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## 15. REGULATORY INFORMATION

### **Intended Use**

FOR USE AS A DISINFECTANT

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



CORROSIVE.

### **R phrases**

R34 Causes burns.

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

### **S phrases**

S3/7/9 Keep container tightly closed, in a cool well ventilated place.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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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.