

**PRODUCT AND COMPANY IDENTIFICATION**

**Trade Name** Sorgene 5  
**Product Code** SORG97410  
**Intended Use** FOR USE AS A DISINFECTANT ONLY

**Appearance** A colourless liquid with a pungent characteristic odour.

**Manufacturer/Supplier** Sorex Limited  
**Address** St. Michael's Industrial Estate  
Widnes, Cheshire, WA8 8TJ

**Phone Number** +44 (0) 151-420 7151  
**Fax Number** +44 (0) 151-495 1163

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**COMPOSITION/INFORMATION ON THE COMPONENTS****Hazardous Components in Product for EC**

Component Name	CAS No.	Concentration	R Phrases	Classification
Hydrogen Peroxide	7722-84-1	23.50%	R8, R34	C, O
Peracetic Acid	79-21-0	4.30%	R7, R10, R20/21/22, R35	C, Xn, O, f

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R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R34 Causes burns.  
R35 Causes severe burns.  
R7 May cause fire.  
R8 Contact with combustible material may cause fire.  
C - Corrosive  
O - Oxidizing  
Xn - Harmful  
f - Flammable

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**PRODUCT HAZARD 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.

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**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.  
If irritation persists obtain medical advice.

**First Aid - Ingestion**

Do not induce vomiting.  
Wash out mouth with water.  
Drink plenty of water and obtain medical advice.

**FIRST AID MEASURES (continued)*****First Aid - Inhalation***

Remove from exposure. Keep warm and at rest.  
Obtain medical attention urgently.

***Advice to Physicians***

Sorgene 5 is an oxidising agent and is corrosive and irritant. It can cause severe burns.  
Treat symptomatically.  
Treat skin burns conventionally.  
Avoid gastric lavage or emetics - these increase the possibility of perforation.  
For comprehensive medical advice on the treatment of poisoning, contact the nearest  
Poisons Information Centre or Sorex Limited.

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**FIRE FIGHTING MEASURES*****General Hazard***

This product is non-flammable, but will release oxygen as a decomposition product.

***Special Hazards of Product***

This product liberates oxygen when heated which may cause spontaneous combustion in contact with oxidisable materials.

***Extinguishing Media***

Use foam, dry chemical or carbon dioxide.

***Protective Equipment for Fire-Fighting***

Wear full protective clothing and self-contained breathing apparatus.

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**ACCIDENTAL RELEASE MEASURES*****Personal Precautions***

Wear appropriate protective clothing.

***Spillages***

Any spillages should be cleared up immediately.  
Wash away with large quantities of water.

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**HANDLING AND STORAGE*****Handling***

The product must be used only in accordance with the label.  
Avoid inhaling vapour.  
Avoid contact with eyes, skin and clothing.  
Keep container tightly closed when not in use.

***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.

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**EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Standards****Hydrogen Peroxide**

UK EH40: OES 1ppm (1.4mg/m<sup>3</sup>) 8h TWA.  
UK EH40: OES 2ppm (2.8mg/m<sup>3</sup>) 15min TWA.

**Peracetic Acid**

None assigned.

**EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

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)) as required by The Control of Substances Hazardous to Health (COSHH) Regulations. 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.
<b>Body Protection</b>	If there is danger of splashing, wear overall or apron.

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**PHYSICAL AND CHEMICAL PROPERTIES**

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

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**STABILITY AND REACTIVITY**

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

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**TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity</b>	Oral LD50 (rat) 1510mg/kg.
<b>Irritancy - Eyes</b>	This material is corrosive to the eye.
<b>Irritancy - Skin</b>	This material is corrosive to the skin.
<b>Skin Sensitisation</b>	No known reports of skin sensitisation.

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**ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Sorgene 5 is an oxidising agent but drenching with water renders the product harmless.
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**DISPOSAL****Product Disposal**

The best means of disposal of any product is through proper use according to the label.

**Container Disposal**

Empty completely, puncture or crush, and dispose of safely.  
Any disposal must comply with Local and National Requirements.

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**TRANSPORT INFORMATION**

<b>UN Number</b>	3149
<b>UN Proper Shipping Name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILISED
<b>UN Class</b>	5.1
<b>UN Subsidiary Risk</b>	8
<b>UN Packing Group</b>	II
<b>ADR/RID - Item No.</b>	1(b)
<b>ADR/RID - Hazard Identification</b>	58
<b>CEFIC - Tremcard No.</b>	TEC(R)-51G05
<b>IMDG - Ems Number</b>	5.1-02
<b>IMDG - MFAG Table Number</b>	735

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**REGULATORY INFORMATION****Intended Use**

FOR USE AS A DISINFECTANT ONLY



Corrosive

**R phrases**

R34 Causes burns.

**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.

S27 Take off immediately all contaminated clothing.

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

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**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.

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