

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

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

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

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.

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.

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.

ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Wear appropriate protective clothing.

Spillages

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

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.

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

UK EH40: OES 1ppm (1.4mg/m³) 8h TWA.
UK EH40: OES 2ppm (2.8mg/m³) 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.

Respiratory Protection	Respiratory protection if there is a risk of exposure to high vapour concentrations.
Hand Protection	PVC or rubber gloves.
Eye Protection	Chemical goggles if there is a risk of splashing.
Body Protection	If there is danger of splashing, wear overall or apron.

PHYSICAL AND CHEMICAL PROPERTIES

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

STABILITY AND REACTIVITY

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

TOXICOLOGICAL INFORMATION

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

ECOLOGICAL INFORMATION

Ecotoxicity	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.

TRANSPORT INFORMATION

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

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).

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.