

**Safety Data Sheet according to Regulation (EU) No. 1907/2006**

HELVEMED SA

Revision date : 30.01.2008

Revision no. : 1,00

**SURFACE FOAM**

00838-0002

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**1. Identification of the substance/preparation and of the company/undertaking**

**Identification of the substance or preparation**

SURFACE FOAM

**Use of the substance/preparation**

Rapid disinfectant

**Company/undertaking identification**

HELVEMED SA

Route des Jeunes 19

CH-1227 Genf

**Inquiry office**

Customer Service

Tel.: ++41 (0) 22-718 75 00

Fax: ++41 (0) 22-718 75 05

Responsible for the safety data sheet: sds@gbk-ingelheim.de

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**2. Hazards identification**

**Classification**

Indications of danger : Irritant

R-phrases :

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

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**3. Composition/information on ingredients**

**Chemical characterization** ( preparation )

Alcoholic, aqueous solution

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-746-9	71-23-8	Propan-1-ol	< 20 %	F, Xi R11-41-67

Full text of each relevant R phrase can be found in heading 16.

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**4. First aid measures**

**General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

**After contact with skin**

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

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**After ingestion**

Drink plenty of water.

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

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**5. Fire-fighting measures**

**Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

**Extinguishing media which must not be used for safety reasons**

Full water jet

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

Chlorine compounds.

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

Protective suit

**Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**6. Accidental release measures**

**Personal precautions**

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Keep away sources of ignition.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

**Additional information**

Use only explosion-proof equipment.

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**7. Handling and storage**

**Handling**

**Advice on safe handling**

Ensure adequate ventilation.

When using, do not eat, drink or smoke.

Avoid contact with eyes.

**Advice on protection against fire and explosion**

Keep product and empty container away from heat and sources of ignition.

Do not smoke - volatile.

Take precautionary measures against static discharges.

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**Storage****Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.  
Pay attention to anti-explosion rules.

**Advice on storage compatibility**

Incompatible with:

Oxidizing agents.

Alkaline metals and earth alkaline metals.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**Storageclass (VCI)**

3 A

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
71-23-8	Propan-1-ol	200	500		TWA (8 h)	WEL
	Propan-1-ol	250	625		STEL (15 min)	WEL

**Exposure controls****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.

When using, do not eat, drink or smoke.

Avoid contact with the eyes.

Remove and wash contaminated clothing before re-use.

**Respiratory protection**

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

**Hand protection**

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by [www.kcl.de](http://www.kcl.de).

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection**

Safety goggles with side protection

Eye wash bottle with pure water.

**9. Physical and chemical properties****General information**

Physical state                      Liquid  
Colour                                Colourless  
Odour                                 Alcoholic

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**Important health, safety and environmental information**

		Test method
pH-Value (at 20 °C) :	approx. 7	
<b>Changes in the physical state</b>		
Boiling point	approx. 89 °C	
Flash point	31,5 (*) °C	Closed cup
<b>Flammability</b>		
Lower explosion limits	n. d.	
Ignition temperature	n. d.	
Density (at 20 °C) :	approx. 0,975 g/cm <sup>3</sup>	
Water solubility : at (20 °C)	Miscible	
<b>Solvent content</b>		
< 20 %		
*) Product is ignitable, but does not keep burning.		

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**10. Stability and reactivity**

**Conditions to avoid**

Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.

**Materials to avoid**

Oxidizing agents.  
Alkaline metals and alkaline earth metals

**Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)  
Chlorine compounds.

**Additional information**

No decomposition if stored and applied as directed.

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**11. Toxicological information**

**Empirical data on effects on humans**

Vapours may cause drowsiness and dizziness.  
Risk of strong eye injuries.  
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. Swallowing renders reabsorption possible.  
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

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**12. Ecological information**

**Persistence and degradability**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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**Further information**

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

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**13. Disposal considerations****Advice on disposal**

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors  
Classified as hazardous waste.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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**14. Transport information****Land transport (ADR/RID)**

ADR/RID class	3
Classification code :	F1
Hazard-no.	30
UN number	1274
Hazard label	3
ADR/RID packing group	III
Limited quantity :	LQ 7

**Description of the goods**

n-Propanol, Solution

**Remarks (land transport)**

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Inland waterways transport****Marine transport**

IMDG code	3
UN number	1274
Marine pollutant	No
EmS	F-E; S-D
Limited quantity :	5 L / 30 kg
IMDG packing group	III
Hazard label	3

**Description of the goods**

PROPANOL SOLUTION

**Remarks (marine transport)**

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

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**Air transport**

ICAO/IATA-DGR	3
UN/ID number	1274
Hazard label	3
IATA-packing instructions - Passenger	309
IATA-max. quantity - Passenger	60 L
IATA-packing instructions - Cargo	310
IATA-max. quantity - Cargo	220 L
ICAO packing group	III
Limited quantity Passenger	Y309 / 10 L

**Description of the goods**

PROPANOL SOLUTION

**15. Regulatory information****Labelling**

Indication of danger	Xi - Irritant
Additional advice on labelling	The product is classified and labelled in accordance with EC directives.

**R phrases**

41	Risk of serious damage to eyes.
67	Vapours may cause drowsiness and dizziness.

**S phrases**

16	Keep away from sources of ignition - No smoking.
24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
35	This material and its container must be disposed of in a safe way.
39	Wear eye/face protection.

**Additional information**

Regulation (EC) No 648/2004 (Regulation on detergents):

Non-ionic surfactants: &lt; 5 %, Ingredients subject to the labelling obligation according to SCCP: -

**National regulatory information**

Employment restrictions	Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class 1999/13/EC (VOC)	1 - slightly water contaminating < 20 %

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

11	Highly flammable.
41	Risk of serious damage to eyes.
67	Vapours may cause drowsiness and dizziness.

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**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*