

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

HELVEMED SA

Revision date : 17.01.2008

Revision no. : 1,50

SURFACE LARGE

00047-0233

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

Identification of the substance or preparation

SURFACE LARGE

Use of the substance/preparation

Disinfectant for surfaces

Company/undertaking identification

HELVEMED SA

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Inquiry office

Customer Service

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2. Hazards identification

Classification

Indications of danger : Corrosive, Dangerous for the environment

R-phrases :

Harmful if swallowed.

Causes burns.

Very toxic to aquatic organisms.

3. Composition/information on ingredients

Chemical characterization (preparation)

Aqueous surface disinfectant based on quaternary ammonium compounds and tensides

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
270-325-2	68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	20 %	C, Xn, N R22-34-50
		Non-ionic surfactants	< 15 %	Xn, Xi R22-41
230-525-2	7173-51-5	Didecyldimethylammoniumchlorid	7,9 %	Xn, C R22-34
200-661-7	67-63-0	Propan-2-ol	< 5 %	F, Xi R11-36-67
225-768-6	5064-31-3	Nitilotriacetic acid trisodiumsalt	< 5 %	Xn, Xi R22-36

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

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

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After contact with skin

Wash off immediately with soap and plenty of water.

Treat subsequently with skin cream.

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.

After ingestion

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician.

5. Fire-fighting measures

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Extinguishing media which must not be used for safety reasons

Full water jet

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

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Chlorine compounds.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and 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.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Use personal protective clothing.

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.

7. Handling and storage

Handling

Advice on safe handling

Keep container tightly closed.

Keep a good ventilation and air-exhaust at the place of work.

Avoid contact with eyes, skin or mucous membrane.

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Advice on protection against fire and explosion

No special protective measures against fire required.

Storage**Requirements for storage rooms and vessels**

Keep containers tightly closed in a dry, well-ventilated place.

Advice on storage compatibility

Incompatible with strong acids and oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI)

8 B

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

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
	Propan-2-ol	500	1250		STEL (15 min)	WEL

Exposure controls**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Avoid contact with eyes, skin or mucous membrane.

Respiratory protection

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

Hand protection

Protective gloves resistant to chemicals made off natural-rubber latex, Minimum coat thickness 0.6 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by 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

Eye wash bottle with pure water.

Safety goggles with side protection

Skin protection

Long sleeved clothing.

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

Physical state

Liquid

Colour

Yellowish

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Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

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.

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

ADR/RID class	8
Classification code :	C9
Hazard-no.	80
UN number	1903
Hazard label	8
ADR/RID packing group	III
Limited quantity :	LQ 7

Description of the goods

Disinfectant, liquid, corrosive, n.o.s. (Quaternary ammonium compounds)

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 UN	8
number Marine	1903
pollutant EmS	No
	F-A; S-B
Limited quantity :	5 L 30 kg
IMDG packing group	III
Hazard label	8

Description of the goods

DISINFECTANT, LIQUID, CORROSIVE , N.O.S. (quaternary ammonium compounds)

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).

Air transport

ICAO/IATA-DGR	8
UN/ID number	1903
Hazard label	8
IATA-packing instructions - Passenger	818
IATA-max. quantity - Passenger	5 L
IATA-packing instructions - Cargo	820
IATA-max. quantity - Cargo	60 L
ICAO packing group	III

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Limited quantity Passenger

Y818 / 1 L

Description of the goods

DISINFECTANT, LIQUID, CORROSIVE , N.O.S. (quaternary ammonium compounds)

15. Regulatory information

Labelling

Indication of danger

C - Corrosive; N - Dangerous for the environment

Additional advice on labelling

According to EC-regulations the product is to be labelled as follows:

Hazardous component(s) to be indicated on label

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

R phrases

- 22 Harmful if swallowed.
- 34 Causes burns.
- 50 Very toxic to aquatic organisms.

S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of water and soap.
- 35 This material and its container must be disposed of in a safe way.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

Additional information

Regulation (EC) No 648/2004 (Regulation on detergents): Non-ionic surfactants: 5% - 15%; NTA < 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)	2 - water contaminating < 5 %

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 50 Very toxic to aquatic organisms.
- 67 Vapours may cause drowsiness and dizziness.

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Other data

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)"

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