

Safety Data Sheet according to 91/155/EEC

HELVEMED SA

Revision date :10.02.2009

Revision No: 1,00

VACUUM FRESH**1. Identification of the substance/ preparation and company****1.1. Commercial product name**

VACUUM FRESH

Disinfectant concentrate for medical instruments.

1.2. Information on manufacturer / supplier

HELVEMED SA

Route des Jeunes 19

CH – 1227 Geneva

Information:

Customer Service

Tel.: + 41 22 718 7500

Fax: + 41 22 718 7505

2. Composition / Information on ingredients**Chemical characterization (preparation):**

Aqueous solution containing bis(3-aminopropyl) dodecylamine, didecyldimethylammoniumchloride and benzalkoniumchlorid.

Description:

Disinfectant cleaner

Hazardous components:

Substance	%	CAS-No.	Symbols	R-phrases
Bis (3-Aminopropyl) dodecylamine	6,10	2372-82-9	C	22-34
Didecyldimethylammoniumchlorid	3,20	7173-51-5	C	22-34
Benzalkoniumchlorid	0,60	68424-85-1	C	22-34-50

3. Hazards identification**Hazard designation:**

Xi Irritant

R-phrases:

R36/38 Irritating to eyes and skin.

S-phrases:

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

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

S28 After skin contact wash immediately with plenty of water.

S37/39 Wear suitable protective gloves and protective goggles.

4. First aid measures**General information:**

Remove contaminated clothing immediately. If you feel unwell seek medical advice.

After inhalation:

In case of inhalation of vapours or decomposition products move affected person into fresh air. If you feel unwell medical treatment necessary.

After skin contact:

Rinse thoroughly with warm water. In case of skin reactions seek medical advice.

After eye contact:

Rinse immediately with warm water and soap. Contact a physician.

After ingestion:

Do not induce vomiting. Call a physician immediately. Attention: In case of vomiting high risk of suffocation because of foaming ingredients. Rinse out mouth. Administer the following drink immediately: several glasses of water. Doctor will decide if vomiting shall be induced.

Information for the doctor:

Initiate stomach pumping. Do not irrigate, hazard of foam formation.

5. Fire-fighting measures

Suitable extinguishing media:

Water, foam, CO₂.

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

In case of fire hydrogen chloride and nitrogen oxides may develop.

Additional information:

Product is not flammable.

6. Accidental release measures

Personal precautions:

Use gloves and eye / face protection. In case of leakage, product forms slippery layers.

Environmental precautions:

Do not let pass concentrate into sewer system.

Methods for cleaning up / taking up:

Take up with binding agent and put in plastic containers for disposal.

7. Handling and storage

7.1 Handling:

In case of appropriate and safe handling no special precautions. Keep containers tightly closed. Wear protective rubber gloves. When handling product wear protective goggles or face protection. Wear protective clothing at work. Wash hands immediately after use.

7.2 Storage:

Requirements for storage rooms and vessels:

Keep containers tightly closed. Protect from freezing. Store in original containers only.

Advice on storage compatibility:

Do not store with food.

Do not store with animal feed.

Further information on storage conditions:

Protect from insulation. Protect from freezing. Keep container tightly closed.

Water Hazard Class (WGK): 1

8. Exposure limitation and personal protective equipment

8.1. Additional information on design of technical plants

8.2. Ingredients with limit values on working places which have to be controlled

8.3. Personal protective equipment

Respiratory protection:

Eye protection:

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Tightly fitting protecting goggles.

Hand protection:

Protective gloves. Contact manufacturer for further information on usage of gloves.

Body protection:

Protective clothing

General protective and hygiene measures:

Avoid skin and eye contact.

Remove soiled or soaked clothing immediately. Keep away from food and beverages.

9. Physical and chemical properties

9.1. Appearance

Form: liquid

Colour: colourless, light yellowish to brownish

Odour: characteristic, perfume

9.2. Safety relevant data

	Value	Unit	Test method
pH value (at 20°C; 100 g/l H ₂ O)	approx. 6,5 – 7,5		(ISO 4316)
Boiling point	100	°C	
Flash point	n.a.	°C	
Density (at 20°C):	approx. 1,0	g/cm ³	(DGF-IV 2)
Water solubility: (at 20°C)	in all proportions	g/l	

9.3. Further information

10. Stability and reactivity

Thermo decomposition / Conditions to avoid:

stability: stable

Hazardous reactions / Materials to avoid:

Hazardous decomposition products:

11. Toxicological information

Acute toxicity (Values relevant for classification LD50/LC50):

LD 50: > 2000 mg/kg

Species: rat

Primary irritation:

After skin contact:

Irritating: (rabbit)

After eye contact:

Sensitization:

No data available.

Additional toxicological information:

12. Ecological information

Information about elimination (persistence and degradability):

Biological degradability.

Ecotoxicity:

Further information: Water Hazard Class (WGK): 1

13. Disposal considerations

Disposal:

Do not let pass concentrate into sewer system.

Product:

Disinfectant cleaner

Waste code (in accordance with EWC):

Disposal in compliance with local and national regulations. Classification according to EEC.

Soiled packaging:

Recommendation:

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

Recommended cleansing agent: water

14. Transport information:

No dangerous good according to transport regulations.

15. Regulatory information

Labelling

Hazard designation:

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National regulations

No. according to Decree for Case of Interference (Störfallverordnung):

Classification according to VbF:

not classified

Water Hazard Class (WGK):

1

No. according to catalogue of water hazardous substances:

16. Other information

The above given information is based on the present state of our knowledge. It does not represent a guarantee for properties of the product(s) and establishes no contractual legal rights. Recipients of our product(s) must take responsibility for observing existing laws and regulations.
