
SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

- Product Name: UNIVEX 3-3% SUPER
- Product Part Number: 764987 (20 liter) - 764985 (200 liter)

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/preparation: Fire fighting foam concentrate

1.3 Details of the supplier of the safety data sheet

Name of Supplier:

Head Office:

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

-
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

1.4 Emergency telephone number

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+
44 1865 407333, CHEMTREC (800) 424 9300
American Chemistry Council +1 703 527 3887,
Greece +30 210 7793777Australia: +61 3 9630 0998
Giftinformasjonsentralen in Norway Tel.: +47 22591300
Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998
FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Not classified as hazardous for supply

2.2 Label elements

- Not applicable
- Hazard phrases
Not applicable
- Precautionary Phrases
Not applicable

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not applicable

SECTION 2 Hazards identification (....)

- Appearance: Liquid, dark, brown
 - Odour: Characteristic odour
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SECTION 3 Composition/information on ingredients

3.1 Mixtures

- 2-methylpentane-2,4-diol
Concentration: 5-10%
CAS Number: 107-41-5
EC Number: 203-489-0
R/H Phrases: R36/38 - H315, H319
Symbols: Xi, GHS07
Categories: Eye Irrit. 2, Skin Irrit. 2
 - ammonium chloride
Concentration: 5-10%
CAS Number: 12125-02-9
EC Number: 235-186-4
R/H Phrases: R22, R36 - H302, H319
Symbols: Xi, Xn, GHS07
Categories: Acute Tox. 4, Eye Irrit. 2
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SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin:
 - Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
 - When in doubt or symptoms persist, seek medical attention
- Contact with eyes:
 - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Seek medical advice
- Ingestion:
 - Never give anything by mouth to an unconscious person
 - Do not induce vomiting
 - Give plenty of water to drink
 - Obtain immediate medical attention
- Inhalation:
 - Inhalation is unlikely to occur
 - Remove patient to fresh air
 - When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- In cases of severe exposure, irritation may develop

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- No hazard expected under normal conditions of use
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SECTION 5 Fire-fighting measures (....)

5.3 Advice for firefighters

- Wear Breathing Apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Sweep or shovel-up spillage and remove to a safe place
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- See Section 8
- Wash hands thoroughly after using this substance

7.2 Conditions for safe storage, including any incompatibilities

- Protect from frost
- Do not store above 50 °C
- Storage containers should not be made from aluminium

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- 2-methylpentane-2,4-diol
TLV (TWA) 123 mg/m³ ()
- ammonium chloride
TLV (TWA) 10 mg/m³ ()

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - No respiratory protection is required unless subject to contact with substance mist
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Characteristic odour
 - Appearance: Liquid, dark, brown
-

SECTION 9 Physical and chemical properties (....)

- pH at 20 °C - 6 (1000 g/L)
- Completely soluble in water
- Viscosity /dynamic - 7-15 mPa.s at 20 deg C

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Not applicable

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- Not applicable
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Not available

11.2 Contact with eyes

- May cause redness and irritation

11.3 Contact with skin

- In cases of severe exposure, redness and irritation may develop

11.4 Ingestion

- May cause gastro-intestinal disturbances
- The ingestion of significant quantities may cause diarrhoea

11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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SECTION 12 Ecological information

12.1 Toxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
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SECTION 12 Ecological information (....)

12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

- EU Waste class: 16.03.06
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not Classified

14.4 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.5 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable

14.7 Air (ICAO/IATA)

- ICAO Un No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
- DOT Proper Shipping Name: Not applicable
- DOT Labels: Not applicable
- Product RQ (lbs): Not applicable

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This product is not classified as hazardous according to Directive 1999/45/EEC

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. R22: Harmful if swallowed. R36: Irritating to eyes. R36/38: Irritating to eyes and skin.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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