
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: FOAM CONC.UNIRAL 3-3M
- Product Part Number: 778009 (20L) - 778008 (200L)

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

- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Symbols: Xi
- Irritating to eyes (R36)
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Symbols: GHS05
- Eye Dam. 1

SECTION 2 Hazards identification (....)

- Causes serious eye damage (H318).

-

2.2 Label elements

- Signal Word: Danger
- Eye Dam. 1
-
- Contains:
- Caprylcaprylyl Glucoside, Sulfuric acid, mono-C6-12-alkyl esters, sodium salt
-
- Hazard phrases
- Causes serious eye damage (H318).
- Precautionary Phrases
- Wear protective gloves/protective clothing/eye protection/face protection (P280).
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Immediately call a POISON CENTER or doctor/physician (P310).

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: Liquid, light, yellow
- Odour: Characteristic odour

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- ethanediol, ethylene glycol
Concentration: 10-15%
CAS Number: 107-21-1
EC Number: 203-473-3
R/H Phrases: R22 - H302
Symbols: GHS07
Categories: Acute Tox. 4
Index No.: 603-027-00-1
- 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether
Concentration: 10-15%
CAS Number: 112-34-5
EC Number: 203-961-6
R/H Phrases: R36 - H319
Symbols: Xi, GHS07
Categories: Eye Irrit. 2
Index No.: 603-096-00-8
- Sulfuric acid, mono-C6-12-alkyl esters, sodium salt
Concentration: 1-5%
CAS Number: 90583-25-8
EC Number: 292-224-2
R/H Phrases: R41 - H315, H318
Symbols: GHS05
Categories: Skin Irrit. 2, Eye Dam. 1
- Caprylcaprylyl Glucoside
Concentration: 1-5%
CAS Number: 68515-73-1

SECTION 3 Composition/information on ingredients (....)

EC Number: 500-220-1
R/H Phrases: R41 - H318
Symbols: GHS05
Categories: Eye Dam. 1

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- If eye irritation persists: Get medical advice/attention (P337+P313).
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
-
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- In cases of severe exposure, irritation may develop

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
-

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

- Not applicable

5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
-

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See Section 13
-

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
 - Do not get in eyes, on skin, or on clothing (P262).
 - Eyewash bottles should be available
-

SECTION 7 Handling and storage (....)

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed (P233).

7.3 Specific end use(s)

- Contact supplier for further information
-

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- CAS:112-34-5
Lowest value: TLV (TWA) 10 ppm, 50mg/m³
European Union: TLV (TWA) 10 ppm, 67,5 mg/m³
- CAS:107-21-1
Lowest value found: vapour
TLV (TWA) 25 mg/m³
European Union: TLV (TWA) 52 mg/m³

8.2 Exposure controls

- Ensure adequate ventilation

8.3 Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- No respiratory protection is required



SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, light, yellow
- Odour: Characteristic odour
- Boiling Point/Range: Boiling point 100 °C
- Density 1,05 g/cm³ at 20 deg C

9.2 Other information

- No information available
-

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

- No special precautions are required for this product

10.5 Incompatible materials

- Incompatible with alkali metals

10.6 Hazardous Decomposition Products

- Decomposition products may include halogen compounds and oxides of carbon/nitrogen/sulphur
-

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (ethanediol, ethylene glycol) 500 mg/kg
- LD50 (oral,rat) (2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether) 5660 mg/kg
- LD50 (dermal) : Rabbit - (2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether) 4120 mg/kg

11.2 Contact with eyes

- Can cause damage to the eyes

11.3 Contact with skin

- In cases of severe exposure, irritation may develop

11.4 Ingestion

- In cases of severe exposure, gastro-intestinal disturbances may develop

11.5 Inhalation

- In cases of severe exposure, irritation may develop
-

SECTION 12 Ecological information

12.1 Toxicity

- Acute algae toxicity ErC50 > 100 mg/l Scenedesmus sp.
- Acute crustacea toxicity EC50 > 100 mg/l 48 Daphnia magna

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available
- Log Pow 0,56 (25°C) - 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether
- Log Pow -1,36 - ethanediol, ethylene glycol

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
-

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

13.2 Classification

- EU Waste class: 16 10 01
-

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
-

SECTION 14 Transport information (....)

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 Classified
- 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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- None
-

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. H318: Causes serious eye damage. H319: Causes serious eye irritation. R22: Harmful if swallowed. R36: Irritating to eyes. R41: Risk of serious damage to eyes.

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

SECTION 16 Other information (....)

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

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA

Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States

Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

Wilhelmsen Ships Service AS U.A.E . Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888

Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard, the Netherlands. Tel (+31) 10 4877 777

