
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: AFFF FOAM CHARGE FOR UNITOR EXTINGUISHERS
- Product Part Number: 736579 (for 9 liter Portable extinguisher),
668210 (for 45 liter Wheeled extinguisher),
668228 (for 135 liter Wheeled extinguisher)

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

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

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Wilhelmsen Ships Service AS
- Address of Supplier: Willem Barentszstraat 50, 3165AB Rotterdam, The Netherlands
- Telephone: +31 4877 777 Fax: +31 4877 888
- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
- 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

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
- International 24hrs Emergency NCEC: + 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 2 Hazards identification**2.1 Classification of the substance or mixture**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances

SECTION 2 Hazards identification (....)

- Symbols: Xi
- Flammable (R10)
- Irritating to eyes (R36)
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Symbols: GHS07
- Eye Irrit. 2

2.2 Label elements



- Signal Word: Warning
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- Contains:
- Ethanol - Urea
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- Hazard phrases
Causes serious eye irritation (H319).
- Precautionary Phrases
If medical advice is needed, have product container or label at hand (P101).
Read label before use (P103).
Do not handle until all safety precautions have been read and understood (P202).

Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).

Do not get in eyes, on skin, or on clothing (P262).

Do not eat, drink or smoke when using this product (P270).

Avoid release to the environment (P273).

IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).

IF ON SKIN: Wash with plenty of soap and water (P302+P352).

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).

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 ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes (P306+P360).

IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician (P309+P311).

2.3 Other hazards

- Odour: Characteristic odour
- Appearance: Liquid, yellow, brown, soluble in water

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- ethanol; ethyl alcohol
Concentration: 5-20%
CAS Number: 64-17-5
EC Number: 200-578-6
R/H Phrases: H225, R11

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

Symbols: GHS02, F

Categories: Flam. Liq. 2

- Urea

Concentration: 25-35%

CAS Number: 57-13-6

EC Number: 200-315-5

R/H Phrases: R36/37/38

Symbols: Xi

Categories: Not applicable

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Take off contaminated clothing and wash before reuse (P362).
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical advice
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Obtain immediate medical attention
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- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- Seek medical attention if irritation persists

4.2 Most important symptoms and effects, both acute and delayed

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- The ingestion of significant quantities may cause diarrhoea
- The ingestion of significant quantities may cause gastro-intestinal disturbances

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

- In case of fire: use carbon dioxide or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

- May form explosive mixtures with air

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure 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

SECTION 6 Accidental release measures (....)

- 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
 - Eyewash bottles should be available
 - Do not get in eyes, on skin, or on clothing (P262).
 - Do not breathe dust/fume/gas/mist/vapours/spray (P260).
- 7.2 Conditions for safe storage, including any incompatibilities
- Keep away from oxidisers, heat, flames or ignition sources
 - Store in a well-ventilated place. Keep container tightly closed (P403+P233).
 - Keep only in original container (P234).
 - Keep cool. Protect from sunlight (P235+P410).
- 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
- TLV (TWA) 950 mg/m³ (CAS:64-17-5)
- 8.2 Exposure controls
- The undiluted product must not be used in a confined space without good ventilation
- 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, yellow, brown, soluble in water
 - pH 8-10 at 100 % concentration
 - Boiling point 89.3 °C to 760 °C
 - Flash point 47 deg C (CC)
- 9.2 Other information
- None
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SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- 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

- Avoid overheating

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Ethanol:
- LD50 (oral,rat) 13000 mg/kg

11.2 Contact with eyes

- Causes irritation

11.3 Contact with skin

- In cases of severe exposure, redness and irritation may develop
- May cause allergic reaction in susceptible people

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

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- This product contains components which are classified in the EU as dangerous for the environment.
 - 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: -
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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

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not classified as hazardous for transport

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
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SECTION 15 Regulatory information

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

SECTION 15 Regulatory information (....)

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

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:- H225: Highly flammable liquid and vapour. R11: Highly Flammable. R36/37/38: Irritating to eyes, respiratory system 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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