

SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: DEFOAMER CONCENTRATE
- Product Part Number: 624314 (20 liter) 661843 (25L)

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

- Use of the substance/mixture: Sewage treatment

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

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- 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
- May cause long term adverse effects in the aquatic environment (R53)
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- May cause long lasting harmful effects to aquatic life (H413).
- Aquatic Chronic 4

2.2 Label elements

- Contains:
- Etherealcohol
- Hazard phrases
May cause long lasting harmful effects to aquatic life (H413).

SECTION 2 Hazards identification (....)

- Precautionary Phrases
Avoid release to the environment (P273).

2.3 Other hazards

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

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Etheralcohol
Concentration: 60-100%
CAS Number: 98072-31-2
EC Number: 308-482-7
R/H Phrases: R53 - H413
Symbols: Not applicable
Categories: Aquatic Chronic 4

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
 - Seek medical attention if irritation persists
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- 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 make an unconscious person vomit or drink fluids
 - Do not induce vomiting
 - Give water or milk to drink
 - Seek medical advice
-
- Inhalation:
 - Inhalation is unlikely to occur
 - Remove patient to fresh air

4.2 Most important symptoms and effects, both acute and delayed

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

SECTION 5 Fire-fighting measures (....)

- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)
- 5.2 Special hazards arising from the substance or mixture
 - Keep container(s) exposed to fire cool, by spraying with water
- 5.3 Advice for firefighters
 - Avoid release to the environment (P273).
 - Wear Positive-Pressure Breathing Apparatus

SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - Wear protective clothing as per section 8
 - Spillage causes slippery surface
- 6.2 Environmental Precautions
 - Do not allow to enter public sewers and watercourses
 - Avoid release to the environment (P273).
- 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
 - The usual precautions for handling chemicals should be observed
 - Do not get in eyes, on skin, or on clothing (P262).
- 7.2 Conditions for safe storage, including any incompatibilities
 - Protect from frost
- 7.3 Specific end use(s)
 - Contact supplier for further information

SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters
 - There are no recommended or established controls for this product
- 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
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear suitable respiratory protection. Gas cartridge (organic substances).

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Characteristic odour
- Appearance: Liquid, dark, colourless to yellow, dispersible in water
- Boiling point >100 °C to 760 °C
- Density 0,86 - 0,90 g/cm³ at 20 deg C
- Viscosity 800 - 1800 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

- 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

- Keep away from frost

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

- LD50 (oral, rat) >2000 mg/kg
- LD50 (dermal) : >2000 mg/kg

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

- The ingestion of significant quantities may cause gastro-intestinal disturbances
- Aspiration hazard

11.5 Inhalation

- May cause irritation
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SECTION 12 Ecological information

12.1 Toxicity

- This product contains components which are classified in the EU as dangerous for the environment.
 - On available data, substance is not harmful to aquatic life
 - LC50 (fish) (Fatty acid ester) >100 mg/l (96 hr)
 - LC50 (fish) (Mineral oil) >100 mg/l (96 hr)
 - LC50 (fish) (Synthetic wax) >100 mg/l (96 hr)
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SECTION 12 Ecological information (....)

- LC50 (fish) (Ether alcohol) >100 mg/l (96 hr)
 - Biodegradability. OECD-test. 28 days 33 % (Ether alcohol)
- 12.2 Persistence and degradability
- Not readily biodegradable
- 12.3 Bioaccumulation Potential
- Bioaccumulation is insignificant
- 12.4 Mobility in soil
- Emulsifies in water
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
- 12.6 Other Adverse Effects
- No information available
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SECTION 13 Disposal considerations

- 13.1 Waste treatment methods
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Disposal should be in accordance with local, state or national legislation
- 13.2 Classification
- EU Waste class: 07 06 01
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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

SECTION 14 Transport information (....)

- 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**

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- 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

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:- H413: May cause long lasting harmful effects to aquatic life. R53: May cause long term adverse effects in the aquatic environment.

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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SECTION 16 Other information (....)

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