

SAFETY DATA SHEET

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

Product Name: **EVAPORATOR DEFOAMER**
 Datasheet Number: 638676 2. 0. 0
 Use of the substance/preparation: Evaporator treatment
 Product Part Number: 636676 (4 x 5 liter)
 Name of Supplier: Wilhelmsen Maritime Services AS
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

 Telephone: +31 10 4877 777
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 Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
 Email: Leen.de.Visser@Wilhelmsen.com
 Name of Manufacturer: UNITOR CHEMICALS AS
 Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
 Telephone: +47 333 515 00
 Emergency Telephone: NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Polyalkylglycol-monobutylether	60-100	9038-95-3	N/A	-	-

3 Hazards identification

- Odour: Characteristic odour
- Appearance: Liquid, colourless to yellow, soluble in water
- Contact with eyes: Mildly irritating to eyes
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: May cause gastro-intestinal disturbances

4 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

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek medical attention if irritation persists

Ingestion

- Never make an unconscious person vomit or drink fluids
- Give water or milk to drink
- When in doubt or symptoms persist, seek medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- Seek medical attention if ill effects occur

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5 Fire-fighting measures

- Flash point 202 deg C (CC)
 - Carbon oxides may be formed
 - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
 - Wear Positive-Pressure Breathing Apparatus
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not flush spilt material into any public water system

Immediate Actions

- Shut off source of leak if safe to do so

Clean Up Actions

- Absorb spillage in suitable inert material
- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

Special Precautions

- Wear protective clothing as per section 8
 - No special precautions are required for this product
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7 Handling and storage

Handling

- The usual precautions for handling chemicals should be observed

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
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8 Exposure controls and personal protection

Exposure Limits

- There are no recommended or established controls for this product

Exposure controls

- No special precautions are required for this product
- The undiluted product must not be used in a confined space without good ventilation

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)



Goggles



Suit

Gloves

9 Physical and chemical properties

- Odour: Characteristic odour
 - Appearance: Liquid, colourless to yellow, soluble in water
 - pH 5.5 - 7.5 at 10 % concentration
 - Boiling point >200 °C at 760 mm /Hg
 - Vapour pressure <0.1 mm /Hg
 - Vapour density (air = 1) >1
 - Freezing point -34 °C at 760 mm/Hg
 - Completely soluble in water
 - Specific gravity (water=1) 1.05
 - Flash point 202 deg C (CC)
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10 Stability and reactivity

- No hazardous decomposition products known
 - Avoid overheating, Keep away from frost
 - Incompatible with acids and alkalis, Incompatible with strong oxidizing substances
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11 Toxicological information

Toxicological information

- LD50 (dermal) : 25000 mg/kg
- LC50 (inhalation, rat) 5.01 mg/l/4h
- LD50 (skin, rabbit) >21020 mg/kg

Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

Contact with skin

- In cases of severe exposure, irritation may develop

Contact with eyes

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

Ingestion

- May cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- EC50 (Daphnia magna) 21000 mg/l (4 hr)
- IC50 (bacteria) 32000 mg/l (16 hr)

Mobility

- Completely soluble in water

Persistence and Biodegradability

- No information available

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

- Presents little or no hazard to the aquatic environment
 - No environmental problems are expected when the product is used / handled correctly.
- In its intended use, the product will not be released into the environment.
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13 Disposal considerations

Classification

- EU Waste class: -

Disposal considerations

- 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
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Not classified as hazardous for users

Risk Phrases

- Not applicable

Safety Phrases

- Not applicable
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16 Other information

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

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 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

16 Other information (....)

application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)