

SAFETY DATA SHEET

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

Product Name: FORE & AFT
Datasheet Number: 571554 10. 0. 0
Use of the substance/preparation: Cleaning agent
Product Part Number: 571554 (25 liter)
Name of Supplier: Wilhelmsen Ships Service AS
Address of Supplier: Willem Barentszstraat 50
 3165AB
 Rotterdam
 The Neherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
Email: Patrick.Rijsdijk@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: **ONLY TO BE USED IN CASE OF AN INCIDENT**
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887,
 Greece +30 210 7793777

2 Hazards identification

- Odour: Odourless
- Appearance: Liquid, blue, soluble in water
- Contact with eyes: Causes irritation
- Contact with skin: In cases of severe exposure, redness and irritation may develop
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances



Irritant

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Disodiummetasilicate	1-5	6834-92-0	229-912-9	34, 37	C
Sodium Carbonate	1-5	497-19-8	207-838-8	36	Xi
Fatty alcohol ethoxylates	1-5	34398-01-1	500-084-3	22, 41	Xn
Alkylglucocide	1-5	161074-93-7	500-529-1	41	Xi
2-2(butoxyethoxy)ethanol	1-5	112-34-5	203-961-6	36	Xi

*See Section 16

4 First aid measures

Contact with skin

- Wash affected area with plenty of water
- Contaminated clothing should be laundered before reuse

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

- Do not induce vomiting
- Give water or milk to drink
- Obtain immediate medical attention

Inhalation

- 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)
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5 Fire-fighting measures

- Non combustible
 - Decomposition products may include toxic and irritant fumes
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- No special precautions are required for this product

Clean Up Actions

- Absorb spillage in inert material and shovel up
- Flush spill area with copious amounts of water

Special Precautions

- Wear protective clothing as per section 8
-

7 Handling and storage

Handling

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
 - Protect from frost
-

8 Exposure controls and personal protection

Exposure Limits

- 2-(2-butoxyethoxy)ethanol
-

8 Exposure controls and personal protection (....)

TLV (TWA) 68 mg/m³ ()

Exposure controls

- No special ventilation is required unless the product is used in a spray form

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



Goggles



Gloves



Suit



No Smoking

9 Physical and chemical properties

- Odour: Odourless
 - Appearance: Liquid, blue, soluble in water
 - pH 12 at 100 % concentration
 - Boiling point >100 °C at 760 mm /Hg
 - Vapour pressure - not applicable
 - Vapour density - not applicable
 - Freezing point <0 °C at 760 mm/Hg
 - Completely soluble in water
 - Specific gravity (water=1) 1.06
 - Density 1,055 - 1,065 g/cm³ at 20 deg C
 - Non combustible
-

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid overheating, Keep away from frost
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11 Toxicological information

Toxicological information

- No experimental data available

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

- May cause irritation

Ingestion

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

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

12 Ecological information (....)

Ecotoxicity

- "In general, this cleaning agent poses little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable."
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Mobility

- Completely soluble in water

Persistence and Biodegradability

- The components in this product are readily biodegradable.

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

- Presents little or no hazard to the aquatic environment
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13 Disposal considerations

Classification

- EU Waste class: 07.06

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

Transport information

- Not classified as hazardous for transport
-

15 Regulatory information



Irritant

Risk Phrases

- Irritating to eyes (R36)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - Wear suitable gloves and eye/face protection (S37/39)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; 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

16 Other information (....)

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 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 has been prepared in accordance with article 31 and annex II in REACH...

Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

Nonionic surfactants	5-15	%
Amphoteric surfactants	<5	%