

SAFETY DATA SHEET

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

Product Name: **ENVIROCLEAN**
 Datasheet Number: 571380 7.0.0
 Use of the substance/preparation: Cleaning agent
 Product Part Number: 571380 (25 liter), 571398 (210 liter)
 Name of Supplier: Wilhelmsen Maritime Services AS
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

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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
Orange Terpenes	5-10	8028-48-6	232-433-8	10, 65	Xn
Fatty alcohol ethoxylate	5-10	34398-01-1	500-084-3	41	Xi
Alkylglucoside ethoxylate	1-5	161074-93-7	500-529-1	41	Xi
2-(2-butoxyethoxy)ethanol	1-5	112-34-5	203-961-6	36	Xi
Alkylamine carboxylate	1-5	3655-00-3	222-899-0	36	Xi

*See Section 16

3 Hazards identification

- Odour: Lemon odour
- Appearance: Liquid, orange, soluble in water
- Contact with eyes: Causes severe irritation, Risk of serious damage to eyes (R41)
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Inhalation: Mildly irritating to respiratory system
- Ingestion: May cause gastro-intestinal disturbances



Irritant

4 First aid measures

Contact with skin

- Wash affected area with plenty of water
- Remove contaminated clothing
- 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
- Irrigate eyes thoroughly whilst lifting eyelids
- Obtain immediate medical attention

4 First aid measures (....)

Ingestion

- Never make an unconscious person vomit or drink fluids
- Give 200-300mls (half pint) water to drink
- Seek medical attention if ill effects occur

Inhalation

- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention

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

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Clean Up Actions

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

Special Precautions

- Wear protective clothing as per section 8
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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 in a cool, well ventilated place (S3/9)
 - Protect from frost
-

8 Exposure controls and personal protection

Exposure Limits

- No exposure limits have been set for this substance

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
- During fumigation/spraying wear suitable respiratory equipment (S42)



Gloves



Goggles



Suit



No Smoking

9 Physical and chemical properties

- Odour: Lemon odour
 - Appearance: Liquid, orange, soluble in water
 - pH 8 - 9 at 100 % concentration
 - Boiling point >100 °C at 760 mm /Hg
 - Vapour pressure - not known
 - Vapour density - not known
 - Freezing point <0 °C at 760 mm/Hg
 - Completely soluble in water
-

9 Physical and chemical properties (....)

- Specific gravity (water=1) 1.0
-

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid overheating
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11 Toxicological information

Toxicological information

- No experimental data available

Inhalation

- In cases of severe exposure, irritation may develop

Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

Contact with eyes

- May cause severe irritation
- Can cause damage to the eyes

Ingestion

- No effects for small dosage. Large dose effects not known
- May cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.
- The product was found to meet the requirements of paragraph 1.8.2 of the P&A Standards and is included in MEPC.2/Circ.8

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

- No environmental problems are expected when the product is used / handled correctly.
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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

- Not classified as hazardous for transport
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15 Regulatory information



Irritant

Risk Phrases

- Risk of serious damage to eyes (R41)
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15 Regulatory information (....)

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:- R10: Flammable; R36: Irritating to eyes; R41: Risk of serious damage to eyes; R65: Harmful: may cause lung damage if swallowed.

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 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)

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	%
D-Limonene	5-15	%