
SAFETY DATA SHEET

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

- Product Name: SEACLEAN
- Product Part Number: 571406 (25 liter), 571422 (210 liter)

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

- Use of the substance/mixture:
- Cleaning agent

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
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
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- 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
- Responsible Person:

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
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- 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.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: Xn
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)
- Irritating to eyes (R36)
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SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Symbols: GHS05, GHS08
- Asp. Tox. 1
- Aquatic Chronic 3
- Eye Dam. 1

2.2 Label elements



- Hazard phrases
 - May be fatal if swallowed and enters airways (H304).
 - Repeated exposure may cause skin dryness or cracking (EUH066).
 - Harmful to aquatic life with long lasting effects (H412).
 - Causes serious eye damage (H318).
- Signal Word: Danger
-
- Contains:
 - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
 - Fatty alcohol ethoxylates
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- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - Immediately call a POISON CENTER or doctor/physician (P310).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Odour: Characteristic odour, Hydrocarbon odour
- Appearance: Liquid, pale yellow, dispersible in water

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - Concentration: 30-60%
 - CAS Number: Not applicable
 - EC Number: 919-164-8
 - R/H Phrases: R65, R66 - H304, EUH066, H412
 - Symbols: Xn, GHS08
 - Categories: Asp. Tox. 1, Aquatic Chronic 3
 - REACH REG. NO: 01-21194739 77-17-0004

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

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
Concentration: 30-60%
CAS Number: Not applicable
EC Number: 918-481-9
R/H Phrases: R65, R66 - H304, EUH066
Symbols: Xn, GHS08
Categories: Asp. Tox. 1
REACH REG. NO: 01-21194572 73-39-0001
 - Fatty alcohol ethoxylate
Concentration: 5-10%
CAS Number: 160875-66-1
EC Number: Not applicable
R/H Phrases: R22, R41 - H302, H318
Symbols: Xn, GHS07, GHS05
Categories: Acute Tox. 4, Eye Dam. 1
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SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention
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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).
- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- Give 200-300mls (half pint) 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).
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Causes eye irritation (H320).
- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- The ingestion of significant quantities may cause chronic pneumonitis
- The ingestion of significant quantities may cause nausea/vomiting
- In cases of severe exposure, dizziness, confusion, headache or stupor may develop

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use dry powder/BCF for extinction (P370+P378)
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SECTION 5 Fire-fighting measures (....)

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

5.2 Special hazards arising from the substance or mixture

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Smoke from fires is irritating

5.3 Advice for firefighters

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - Wear Breathing Apparatus
 - Keep container(s) exposed to fire cool, by spraying with water
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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

- Do not allow to enter public sewers and watercourses
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

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

- None
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing (P262).
- See Section 8

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from open flames, hot surfaces and sources of ignition.
- Protect from heat
- Store in a well-ventilated place. Keep cool (P403+P235).
- Keep only in original container (P234).

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

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
TLV (TWA) 275 mg/m3 ()
- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
TLV (TWA) 275 mg/m3 ()

8.2 Exposure controls

SECTION 8 Exposure controls/personal protection (....)

- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- Wear neoprene or nitrile gloves
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- In case of inadequate ventilation wear respiratory protection (P285).
- 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, Hydrocarbon odour
- Appearance: Liquid, pale yellow, dispersible in water
- Boiling point 150 °C to 245 °C at 760 mm /Hg
- Vapour density (air = 1) >1
- Emulsifies in water
- Density 0,81 - 0,83 g/cm³ at 15 deg C
- Flash point >61 deg C (CC)
- Auto-ignition point >200 deg C at 760 mm Hg
- Lower explosive limit 0.6 % (in air)
- Upper explosive limit 7 % (in air)

9.2 Other information

- None

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
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
- Decomposition products may include carbon oxides

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Fatty alcohol ethoxylate) 300-2000 mg/kg
- LD50 (oral,rat) (Hydrocarbones) >5000 mg/kg

11.2 Contact with eyes

- Causes irritation

11.3 Contact with skin

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

11.4 Ingestion

- The ingestion of significant quantities may cause damage to lungs
- Aspiration hazard

11.5 Inhalation

- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Hydrocarbones C10-C13 <2% aromates) >100 mg/l (96 hr)
- LC50 (fish) (Hydrocarbones C10-C13 2-25%) 10-100 mg/l (96 hr)
- LC50 (fish) (Fatty alcohol ethoxylate) 10-100 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days >60 % (Fatty alcohol ethoxylate)
- Biodegradability. OECD-test. 28 days >60 % (Hydrocarbones)

12.2 Persistence and degradability

- This cleaning agent consists of readily biodegradable surfactants, all of which have only slight or moderate toxicity.

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

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 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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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
- EU Waste Codes: 07 01 01

13.2 Classification

SECTION 14 Transport information

14.1 UN

- UN No.: Not applicable
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SECTION 14 Transport information (....)

- 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 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

SECTION 15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:

- Aliphatic hydrocarbons	>30	%
- Aromatic hydrocarbons	5-15	%
- Soap	5-15	%
- Nonionic surfactants	5-15	%
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- 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 15 Regulatory information (....)

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
 - Danish PR number: 2393224
- 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:-
EUH066: Repeated exposure may cause skin dryness or cracking. H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways. H318: Causes serious eye damage. H412:
Harmful to aquatic life with long lasting effects. R22: Harmful if swallowed. R41: Risk of serious
damage to eyes. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure
may cause skin dryness or cracking.

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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