
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: ALKLEEN SAFETY LIQUID
- Product Part Number: 571513 (25 liter), 571521 (210 liter)

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

- Use of the substance/mixture:
- Degreaser

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
-
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
-
- 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: C
- Causes burns (R34)
- Irritating to respiratory system (R37)
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

SECTION 2 Hazards identification (....)

- Signal Word: Danger
- Symbols: GHS05
- Eye Dam. 1
- Skin Irrit. 2

2.2 Label elements

- Signal Word:
 -
- Contains:
 - Disodiummetasilicate - Fatty alcohol ethoxylates - Alkylglucosid - 2-(2-Butoksyethoxy) ethanol
 -
- Hazard phrases
 - Causes serious eye damage (H318).
 - Causes skin irritation (H315).
 -
 -
 -
 -
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - Do not breathe dust/fume/gas/mist/vapours/spray (P260).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - If eye irritation persists: Get medical advice/attention (P337+P313).
 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician (P309+P311).

2.3 Other hazards**SECTION 3 Composition/information on ingredients****3.1 Mixtures**

- Disodium metasilicate
 - Concentration: 5-10%
 - CAS Number: 6834-92-0
 - EC Number: 229-912-9
 - R/H Phrases: R34, R37 - H290, H314, H335
 - Symbols: GHS05, GHS07
 - Categories: Met. Corr. 1, Skin Corr. 1B, STOT SE 3
- Fatty alcohol ethoxylates
 - Concentration: 1-5%
 - CAS Number: 34398-01-1
 - EC Number: 500-084-3
 - R/H Phrases: R22, R41 - H302, H318

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

Symbols: Xn, GHS05, GHS07

Categories: Acute Tox. 4, Eye Dam. 1

- Alkylglucosid
Concentration: 1-5
CAS Number: 161074-93-7
EC Number: 500-529-1
R/H Phrases: R41 - H318
Symbols: Xi, GHS05
Categories: Eye Dam. 1
 - 2(2-butoxyethox)ethanol
Concentration: 1-5%
CAS Number: 112-34-5
EC Number: 203-961-6
R/H Phrases: R36 - H319
Symbols: Xi, GHS07
Categories: Eye Irrit. 2
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SECTION 4 First aid measures

4.1 Description of first aid measures

- Inhalation:
 - Inhalation is unlikely to occur
 -
- Ingestion:
 - Do not induce vomiting
 - Never give anything by mouth to an unconscious person
 - Give plenty of water to drink
 - Obtain immediate medical attention
 -
- 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
 - Continue flushing with water until medical help arrives
 -
- Contact with skin:
 - Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
 - Seek medical advice if necessary
 - Contaminated clothing should be laundered before reuse

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- Mildly irritating to skin

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

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

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- 5.2 Special hazards arising from the substance or mixture
- Decomposition products may include toxic and irritant fumes
- 5.3 Advice for firefighters
- Wear Breathing Apparatus
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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
- 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
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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).
 - Eyewash bottles should be available
 - See Section 8
- 7.2 Conditions for safe storage, including any incompatibilities
- Store in a dry place. Store in a closed container (P402+P404).
 - Store in a well-ventilated place (P403).
 - Protect from frost
- 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
- 2(2-butoxyethoxy)ethanol
TLV (TWA) 68 mg/m³ ()
- 8.2 Exposure controls
- No special ventilation is required unless the product is used in a spray form
- 8.3 Occupational exposure controls



- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - 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.
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, off-white, soluble in water
- pH 12.5 - 13.5
- Boiling point >100 °C to 760 °C
- Vapour pressure - not known
- Melting point 0 °C
- Completely soluble in water
- Density 1,06 - 1,08 g/cm³ at 20 deg C
- Non combustible

9.2 Other information

- None
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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

- No special precautions are required for this product

10.5 Incompatible materials

- None

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) (Alkylglucoside) > 2000 mg/kg
- LD50 (oral, rat) (Alkholethoxylate) 300-2000 mg/kg
- LD50 (oral, rat) (2-(2-butoxyethoxy)ethanol) >2000 mg/kg

11.2 Contact with eyes

- Prolonged skin or eye contact may cause chemical burns

11.3 Contact with skin

- Prolonged skin or eye contact may cause chemical burns

11.4 Ingestion

- Not regarded as a potential route of exposure.
- The ingestion of significant quantities may cause burning sensation

11.5 Inhalation

- In cases of severe exposure, irritation may develop
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (2(2-butoxyethox)ethanol) 1300 mg/l (96 hr)
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SECTION 12 Ecological information (....)

- LC50 (fish) (Alcohol ethoxylate) 1-10 mg/l (96 hr)
 - LC50 (fish) (Alkylglucoside) >100 mg/l (96 hr)
- 12.2 Persistence and degradability
- The components in this product are readily biodegradable.
- 12.3 Bioaccumulation Potential
- Bioaccumulation of the components in this product is insignificant.
- 12.4 Mobility in soil
- Completely soluble 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: 06 02 05
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SECTION 14 Transport information

- 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
 - IMDG EmS: Not applicable
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SECTION 14 Transport information (....)

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

- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:
- Nonionic surfactants 5-15 %
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Does not contain phosphate.
- This product contains Disodiummetasilicate in a concentration 1-5 %.
Disodiummetasilicate act as a buffer and "holds" pH even when amounts are low.
Testing due to OECD 431 "In vitro skin corrosion" - verifies that this product is not corrosive.

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:- H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. 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

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

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA
Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998
Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268
Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

SECTION 16 Other information (....)

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece

Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

Wilhelmsen Ships Service AS U.A.E . Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888

Wilhelmsen Ships Service AS, Willem Barentszstraat 50 3165 AB Rotterdam-Albrandswaard, the Netherlands. Tel (+31) 10 4877 777

