
SAFETY DATA SHEET

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

- Product Name: ALKLEEN LIQUID
- Product Part Number: 756254 (25 liter), 756255 (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
-
- 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 severe burns (R35)
- Harmful if swallowed (R22)
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

SECTION 2 Hazards identification (....)

- Signal Word: Danger
- Symbols: GHS05, GHS07
- Acute Tox. 4
- Skin Corr. 1B
- Met. Corr. 1

2.2 Label elements

- Signal Word: Danger
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- Contains:
- potassium hydroxide - C6 Alkylglucoside
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- Hazard phrases
 - Harmful if swallowed (H302).
 - Causes severe skin burns and eye damage (H314).
 - May be corrosive to metals (H290).
-
-
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Immediately call a POISON CENTER or doctor/physician (P310).

2.3 Other hazards

- Not applicable
- Appearance: Liquid, colourless to yellow, soluble in water
- Odour: Odourless
- Not a PBT according to REACH Annex XIII

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- potassium hydroxide
 - Concentration: 10-30%
 - CAS Number: 1310-58-3
 - EC Number: 215-181-3
 - R/H Phrases: R22, R35 - H302, H290, H314
 - Symbols: C, GHS05, GHS07
 - Categories: Acute Tox. 4, Met. Corr. 1, Skin Corr. 1A
- C6 Alkylglucoside
 - Concentration: 1-5%
 - CAS Number: 54549-24-5
 - EC Number: 259-217-6

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

R/H Phrases: R41 - H318

Symbols: Xi, GHS05

Categories: Eye Dam. 1

SECTION 4 First aid measures

4.1 Description of first aid measures

- Inhalation:
 - Remove patient to fresh air
 - Seek medical advice if necessary
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- Ingestion:
 - Do not induce vomiting
 - Never give anything by mouth to an unconscious person
 - Give water or milk to drink
 - Obtain immediate medical attention
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- 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
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- 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

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes, skin and mucous membranes

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

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

SECTION 6 Accidental release measures (....)

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

6.4 Reference to other sections

- See Section 13
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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

- 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**

- potassium hydroxide
TLV (TWA) 2 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)
 - 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.
 - Use good personal hygiene practices
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SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- pH 13 - 14 at 100 % concentration
- pH 10,5 - 12,0 at 0,2 % concentration
- Boiling point >100 °C to 760 °C
- Density: Density 1,165 - 1,185 g/cm³ at 20 deg C
- Completely soluble in water

9.2 Other information

SECTION 9 Physical and chemical properties (....)

- 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

- Avoid contact with aluminium
- Avoid contact with galvanised metals
- Avoid contact with zinc

10.5 Incompatible materials

- Incompatible with acid
- Incompatible with oxidizing substances

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) >2000 mg/kg

11.2 Contact with eyes

- Can cause damage to the eyes

11.3 Contact with skin

- Causes redness and irritation
- Prolonged skin or eye contact may cause chemical burns

11.4 Ingestion

- The ingestion of significant quantities may cause burning sensation
- The ingestion of significant quantities may cause damage to digestive system

11.5 Inhalation

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

12.1 Toxicity

- LC50 (fish) >100 mg/l (Alkylglucoside hr)
- Biodegradability. OECD-test. 28 days >60 % (Alkylglucoside)
- EC50 (daphnia) >100 mg/l (Alkylglucoside hr)
- This product contains an alkaline substance which may cause a high pH-value.
- Effect depends on water quality and the organisms tolerance due to pH-value.
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

12.3 Bioaccumulation Potential

SECTION 12 Ecological information (....)

- 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
 - EU Waste Codes: 06 02 01
- 13.2 Classification
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SECTION 14 Transport information

- 14.1 UN
- UN No.: UN1814
 - Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 - Hazard Class: 8
 - Packing Group: II
- 14.2 Environmental hazards
- Not applicable
- 14.3 Special precautions for user
- No special precautions are required for this product
- 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.: UN1814
 - Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 - ADR Hazard Class: 8
 - ADR Packing Group: II
- 14.6 Sea (IMDG)
- IMDG UN No.: UN1814
 - Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 - IMDG Hazard Class: 8
 - IMDG Pack Group.: II
 - IMDG EmS: F-A, S-B
- 14.7 Air (ICAO/IATA)
- ICAO UN No.: UN1814

SECTION 14 Transport information (....)

- Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
- ICAO Hazard Class: 8
- ICAO Packing Group: II

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: UN1814
 - DOT Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION
 - DOT Labels: 8
 - 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**

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Norwegian Productregistration no: 16179
- Composition information in accordance with EC Regulation 648/2004 of the European non-Parliament and of the Council of 31st March 2004 on detergents:

15.2 Chemical Safety Assessment

- None
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ionic
surfa
ctant
s
<5%**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. R22: Harmful if swallowed. R35: Causes severe burns. 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

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SECTION 16 Other information (....)

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