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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Product Name: AQUATUFF
- Product Part Number: 607826 (25 liter), 607827 (210 liter)

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

- Degreaser
- Cleaning agent

## 1.3 Details of the supplier of the safety data sheet

## Head Office:

Wilhelmsen Ships Service AS  
Strandveien 20, N1324 Lysaker,  
Norway Tel: (47) 6349 440 35

## Supplier:

Wilhelmsen Ships Service AS  
Willem Barentszstraat 50  
3165AB Rotterdam  
Telephone: +31 4877 777  
Fax: +31 4877 888  
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

Product HSE Manager, Tel.: +31 10 4877775  
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

## 1.4 Emergency telephone number

-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 Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

**\*\*FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES\*\***

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**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Symbols: C
- Causes burns (R34)
- 
- Classification according to Regulation (EC) No 1272/2008
- Signal Word: Danger
- Symbols: GHS05
- Skin Corr. 1A

**SECTION 2 Hazards identification (....)**

- Met. Corr. 1

**2.2 Label elements**

- Signal Word: Danger
- 
- Contains:
  - potassium hydroxide
  - Disodiummetasilicate
  - Fatty alcohol ethoxylates
  - Primary C9-C11 alcoholethoxylate
  - 2-(2-butoxyethoxy)ethanol
- Hazard phrases
  - 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).
  - Dispose of contents/container to an authorised waste collection point (P501)

**2.3 Other hazards**

- Not a PBT according to REACH Annex XIII
- Odour: Odourless
- Appearance: Liquid, orange, soluble in water
- Inhalation: Inhalation may cause severe irritation and, dependent on dose, chemical burns.

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

- Fatty alcohol ethoxylate
  - Concentration: 1-5%
  - CAS Number: 160875-66-1
  - EC Number: Not applicable
  - R/H Phrases: R22, R41 - H302, H318
  - Symbols: Xn, GHS05, GHS07
  - Categories: Acute Tox. 4, Eye Dam. 1
- potassium hydroxide; caustic potash
  - Concentration: 1-5%
  - CAS Number: 1310-58-3
  - EC Number: 215-181-3
  - R/H Phrases: R22,R35 - H302, H290, H314
  - Symbols: GHS05,GHS07, C
  - Categories: Acute Tox. 4 \* Skin Corr. 1A, Met. Corr.1
- Disodium metasilicate
  - Concentration: 1-5%
  - CAS Number: 6834-92-0
  - EC Number: 229-912-9
  - R/H Phrases: R34, R37 - H290, H314, H335
  - Symbols: C, GHS05, GHS07

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

- Categories: Met. Corr. 1, Skin Corr. 1B, STOT SE 3
- Primary C9-C11 alcoholethoxylate  
Concentration: 1-5%  
CAS Number: 68439-46-3  
EC Number: Not applicable  
R/H Phrases: R38, R41 - H318, H315  
Symbols: Xi, GHS05  
Categories: Eye Dam. 1, Skin Irrit. 2
  - 2-(2-butoxyethoxy)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
- 

**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).
- Seek medical attention if irritation persists
- 
- 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
- Obtain immediate medical attention
- 
- 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
- 
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Never give anything by mouth to an unconscious person
- Give water or milk to drink

## 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

- No information available
- 

**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. Take precautions to protect personnel from exposure

## 5.3 Advice for firefighters

- Smoke from fires is irritating. Take precautions to protect personnel from exposure
  - Wear chemical protection suit and positive-pressure breathing apparatus
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**SECTION 6 Accidental release measures**

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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 flush spilt material into any public water system

## 6.3 Methods and material for containment and cleaning up

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

## 6.4 Reference to other sections

- See Section 13
- 

**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).
- See Section 8
- Eyewash bottles should be available

## 7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed (P403+P233).
- Store in a dry place (P402).

## 7.3 Specific end use(s)

- Contact supplier for further information
- 

**SECTION 8 Exposure controls/personal protection**

## 8.1 Control parameters

- 2-(2-butoxyethoxy)ethanol  
CAS:112-34-5  
Lowest value:TLV (TWA) 10 ppm, 50mg/m<sup>3</sup>  
European Union: TLV (TWA) 10 ppm, 67,5 mg/m<sup>3</sup>
- potassium hydroxide; caustic potash  
WEL (short term) 2 mg/m<sup>3</sup>

## 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)
  - No respiratory protection is required unless subject to contact with substance mist
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**SECTION 9 Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

- Odour: Odourless
  - Appearance: Liquid, orange, soluble in water
  - pH 13 - 14 at 100 % concentration
  - Density: Density 1,045 - 1,055 g/cm<sup>3</sup> at 20 deg C
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**SECTION 9 Physical and chemical properties (....)**

## 9.2 Other information

- None
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**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 frost

## 10.5 Incompatible materials

- Incompatible with acid

## 10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
- 

**SECTION 11 Toxicological information**

## 11.1 Information on toxicological effects

- LD50 (oral, rat) (Alkylglucoside) 2000 - 5000 mg/kg
- LD50 (oral, rat) (Alcholethoxylate) 300-2000 mg/kg

## 11.2 Contact with eyes

- Can cause damage to the eyes

## 11.3 Contact with skin

- Causes redness and irritation
- Can cause damage to the skin

## 11.4 Ingestion

- The ingestion of significant quantities may cause damage to mucous membranes

## 11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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**SECTION 12 Ecological information**

## 12.1 Toxicity

- LC50 (fish) (Alcholethoxylate) 1-10 mg/l (96 hr)
- LC50 (fish) (Alkylglucoside) 558 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days >60 % (Alcohol ethoxylate)
- Biodegradability. OECD-test. 28 days >60 % (Alkylglucoside)
- Biodegradability. OECD-test. 28 days >60 % (2-(2-Buthoxyethoxy)ethanol)
- This product contains an alkaline substance which may cause a high pH-value.
- Effect depends on waterquality 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.
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**SECTION 12 Ecological information (....)**

## 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
- 

**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 04
- 

**SECTION 14 Transport information**

## 14.1 UN

- UN No.: UN1719
- Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
- Hazard Class: 8
- Packing Group: III

## 14.2 Environmental hazards

- On available data, substance is not harmful to the environment

## 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
- Not applicable

## 14.5 Road/Rail (ADR/RID)

- ADR UN No.: UN1719
- Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
- ADR Hazard Class: 8
- ADR Packing Group: III

## 14.6 Sea (IMDG)

- IMDG UN No.: UN1719
- Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
- IMDG Hazard Class: 8
- IMDG Pack Group.: III
- IMDG EmS: F-A, S-B

## 14.7 Air (ICAO/IATA)

- ICAO Un No.: UN1719
  - Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
  - ICAO Hazard Class: 8
-

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**SECTION 14 Transport information (....)**

- ICAO Packing Group: III
- 14.8 DOT / CFR (US Department of Transportation)
- Identification Number: UN1719
  - DOT Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
  - DOT Labels: 8
  - Product RQ (lbs): -
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**SECTION 15 Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged into the sea when used to clean cargo holds and external surfaces on ships.
- 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 %
  -
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Does not contain phosphate.

## 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. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. R22: Harmful if swallowed. R34: Causes burns. R35: Causes severe burns. R36: Irritating to eyes. R37: Irritating to respiratory system. R38: Irritating to skin. 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

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**SECTION 16 Other information (....)**

The most up-to-date version of this MSDS can be found on [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

**OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES**

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