
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **AQUATUFF**
Datasheet Number: 607826 2.0.0
Use of the substance/preparation: Cleaning agent
Product Part Number: 607826 (25 liter), 607827 (210 liter)

Name of Supplier: Unitor ASA
Address of Supplier: Willem Barentszstraat 50
3165 AB Rotterdam-Albrandswaard
The Netherlands

Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

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
CMA +1 703 527 3887
Greece +30 1 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Fatty alcohol ethoxylate	1-5	34398-01-1	500-084-3	36/38	Xi
Potassium hydroxide	1-5	1310-58-3	215-181-3	35	C
Disodium metasilicate	1-5	6834-92-0	229-912-9	34, 37	C
Quaternary fatty amine ethoxylate	<2.5	34398-01-1	N/A	51/53	N, Xi
Non classified ingredients	60-90				

3 Hazards identification

- Odour: Odourless
- Appearance: Liquid, orange, soluble in water
- Contact with eyes: Can cause damage to the eyes
- Contact with skin: Prolonged skin or eye contact may cause chemical burns
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: No information available but must be considered harmful

3 Hazards identification (....)



Corrosive

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
- When in doubt or symptoms persist, seek medical attention
- 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
- Obtain immediate medical attention
- Continue flushing with water until medical help arrives

Ingestion

- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Obtain immediate medical attention

Inhalation

- Inhalation is unlikely to occur
- Remove patient to fresh air
- Seek medical attention if ill effects occur

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5 Fire-fighting measures

- Non combustible
- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not flush spilt material into any public water system

Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

6 Accidental release measures (....)

Clean Up Actions

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

Special Precautions

- Wear protective clothing as per section 8

7 Handling and storage

Handling

- The usual precautions for handling chemicals should be observed
- See Section 8
- Eyewash bottles should be available

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 2 mg/m³ (Potassium hydroxide)

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



9 Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, orange, soluble in water
- pH 13 at 100 % concentration, pH 10 - 11 at 0.1 % concentration
- Boiling point >100 °C at 760 mm /Hg
- Vapour pressure - not known
- Freezing point <0 °C at 760 mm/Hg
- Completely soluble in water
- Specific gravity (water=1) 1.06
- Non combustible

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- See Section 5

11 Toxicological information

Toxicological information

- No experimental data available

Inhalation

- Inhalation is unlikely to occur
- In cases of severe exposure, burning sensation may develop

Contact with skin

- Causes burns (R34)

Contact with eyes

- Causes severe burns (R35)

Ingestion

- The ingestion of significant quantities may cause burning sensation

Carcinogenicity

- No evidence of carcinogenic effects

12 Ecological information

Ecotoxicity

- Aquatuff was evaluated during the 8th session of IMO's Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals held in London from 4 to 8 November 2002.
- 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

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

In its intended use, the product will not be released into the environment.

13 Disposal considerations

Classification

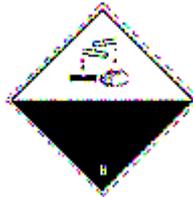
- This material and/or its container must be disposed of as hazardous waste
- EU Waste class: 06.02

13 Disposal considerations (...)

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

14 Transport information



Corrosive

UN

Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
UN No.: 1719

Hazard Class: 8 Packing Group: III

Road/Rail (ADR/RID)

Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
ADR UN No.: 1719

ADR Hazard Class: 8 Tremcard: 80GC5-III

Sea (IMDG)

Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
IMDG UN No.: 1719

IMDG Hazard Class.: 8 IMDG Pack Group.: III

IMDG EmS: F-A, S-B IMDG subrisk: N/A

IMDG labels: 8 IMDG Flashpoint: N/A

Air (ICAO/IATA)

Proper Shipping Name: Caustic alkali liquid, n.o.s. (potassium hydroxide solution)
ICAO Un No.: 1719

ICAO Hazard Class.: 8 ICAO Packing Group.: III

ICAO subrisk: N/A ICAO Labels: 8 + CAO

ICAO Flashpoint: N/A

14 Transport information (....)

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Caustic alkali liquid, n.o.s. (potassium hydroxide solution)		
Hazardous Material:	potassium hydroxide		
Hazard Class:	8	Identification Number:	UN 1719
Product RQ (lbs):	N/A	DOT subrisk:	N/A
DOT labels:	8	DOT Flashpoint:	N/A

- Forbidden on passenger aircraft

15 Regulatory information



Corrosive

Risk Phrases

- Causes burns (R34)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

16 Other information

(R34: Causes burns. R35: Causes severe burns. R36/38: Irritating to eyes and skin. R37: Irritating to respiratory system. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.)

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)