
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **ALKLEEN LIQUID**
Datasheet Number: 571539 2.0.0
Use of the substance/preparation: Cleaning agent
Product Part Number: 571539 (25 liter), 571547 (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
Sodium hydroxide	10-30	1310-73-2	215-185-5	35	C
Octylglucoside	1-5	N/A	414-420-0	41	Xi
Non classified ingredients	60-90				

3 Hazards identification

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- Contact with eyes: Corrosive to eyes, Can cause damage to the eyes
- Contact with skin: Causes severe burns (R35)
- Inhalation: No information available but must be considered harmful
- Ingestion: Harmful if swallowed (R22)



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
- Seek medical advice if necessary

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

Ingestion

- Do not induce vomiting
- Never give anything by mouth to an unconscious person
- Give water or milk to drink
- Obtain immediate medical attention

Inhalation

- 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)
 - When in doubt or symptoms persist, seek medical attention
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5 Fire-fighting measures

- Non combustible
 - Smoke from fires is corrosive
 - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
 - Vapour density - not applicable
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Clean Up Actions

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

Special Precautions

- Wear protective clothing as per section 8
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7 Handling and storage

Handling

- Eyewash bottles should be available
 - See Section 8
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7 Handling and storage (....)

Storage

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

8 Exposure controls and personal protection

Exposure Limits

- OES / LTEL # ppm 2 mg/m³
- (Sodium 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)
- During fumigation/spraying wear suitable respiratory equipment (S42)



9 Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- pH 11.5 - 12.5 at 0.1 % concentration, pH 13 - 14 at 100 % concentration
- Boiling point >100 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density - not applicable
- Freezing point -5 °C at 760 mm/Hg
- Completely soluble in water
- Specific gravity (water=1) 1.23
- Non combustible

10 Stability and reactivity

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

11 Toxicological information

Toxicological information

- No experimental data available

11 Toxicological information (....)

Inhalation

- Can cause damage to the respiratory system

Contact with skin

- Causes severe burns (R35)

Contact with eyes

- Causes severe burns (R35)

Ingestion

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

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product has been evaluated on its behaviour in the environment by "The TNO Institute of Environmental Sciences" (The Netherlands organisation for applied Scientific Research).
- Their conclusion on this product reads:
 - "In general, this cleaning agent poses little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable."
 - Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards approved this product for use as tank cleaning agent by chemical tankers.

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

- May cause acute effects in the environment
- 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 02

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
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14 Transport information


Corrosive

UN

Proper Shipping Name:	Sodium hydroxide, solution		
UN No.:	1824		
Hazard Class:	8	Packing Group:	II

Road/Rail (ADR/RID)

Proper Shipping Name:	Sodium hydroxide, solution		
ADR UN No.:	1824		
ADR Hazard Class:	8	Tremcard:	80S1824

Sea (IMDG)

Proper Shipping Name:	Sodium hydroxide, solution		
IMDG UN No.:	1824		
IMDG Hazard Class.:	8	IMDG Pack Group.:	II
IMDG EmS:	F-A, S-B	IMDG subrisk:	N/A
IMDG labels:	8	IMDG Flashpoint:	N/A

Air (ICAO/IATA)

Proper Shipping Name:	Sodium hydroxide, solution		
ICAO Un No.:	1824		
ICAO Hazard Class.:	8	ICAO Packing Group.:	II
ICAO subrisk:	N/A	ICAO Labels:	8, CAO
ICAO Flashpoint:	N/A		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Sodium hydroxide, solution		
Hazardous Material:	Sodium hydroxide		
Hazard Class:	8	Identification Number:	UN 1824
Product RQ (lbs):	3640	DOT subrisk:	N/A
DOT labels:	8	DOT Flashpoint:	N/A

14 Transport information (....)

- Forbidden on passenger aircraft

15 Regulatory information



Corrosive

Risk Phrases

- Causes severe burns (R35)

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 (S36/39)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

16 Other information

(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 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)

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