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 SAFETY DATA SHEET
 

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

Product Name: **ALKLEEN LIQUID**  
 Datasheet Number: 756254 1.0.0  
 Use of the substance/preparation: Cleaning agent  
 Product Part Number: 756254 (25 liter), 756255 (210 liter)  
 Name of Supplier: Wilhelmsen Ships Service AS  
 Address of Supplier: Willem Barentszstraat 50  
 3165AB  
 Rotterdam  
 The Neherlands  
 Telephone: +31 10 4877 777  
 Fax: +31 10 4877 888  
 Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35  
 Email: Patrick.Rijsdijk@Wilhelmsen.com  
 Name of Manufacturer: UNITOR CHEMICALS AS  
 Address of Manufacturer: P.O.Box 15  
 3141 Kjøpmannskjær  
 Norway.  
 Telephone: +47 333 515 00  
 Emergency Telephone: **\*\*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

**2 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

**3 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
potassium hydroxide	10-30	1310-58-3	215-181-3	22, 35	C
C8 Alkylglucoside	1-5	54549-24-5	259-217-6	41	Xi

\*See Section 16

**4 First aid measures**

## **ALKLEEN LIQUID**

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### **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

- 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)
  - 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
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### **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

#### Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
  - Protect from frost
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## **8 Exposure controls and personal protection**

### Exposure Limits

- potassium hydroxide  
TLV (TWA) 2 mg/m<sup>3</sup> ( )

### 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)



Gloves



Suit



Goggles



No Smoking

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## **9 Physical and chemical properties**

- Odour: Odourless
- Appearance: Liquid, colourless to yellow, soluble in water
- 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) 1.17
- Non combustible

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## **10 Stability and reactivity**

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

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## **11 Toxicological information**

### Toxicological information

- No experimental data available

### 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

## ALKLEEN LIQUID

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### 11 Toxicological information (....)

#### 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.
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### 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

Proper Shipping Name: POTASSIUM HYDROXIDE, SOLUTION

Emergency Action Code

UN

## ALKLEEN LIQUID

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### 14 Transport information (....)

#### Road/Rail (ADR/RID)

Proper Shipping Name:	Potassium hydroxide, solution		
ADR UN No.:	UN1814	ADR Hazard Class:	8
ADR Packing Group:	II	ADR subrisk:	N/A
ADR-RID Labels:	8	ADR Flashpoint:	N/A

#### Sea (IMDG)

Proper Shipping Name:	Potassium hydroxide, solution		
IMDG UN No.:	UN1814	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:	Potassium hydroxide, solution		
ICAO Un No.:	UN1814	ICAO Hazard Class.:	8
ICAO Packing Group.:	II	ICAO subrisk:	N/A
ICAO Labels:	8	ICAO Flashpoint:	N/A

#### DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Potassium hydroxide, solution		
Hazardous Material:	Potassium hydroxide	Hazard Class:	8
Identification Number:	UN1814	Product RQ (lbs):	3640
DOT subrisk:	N/A	DOT Labels:	8
DOT Flashpoint:	N/A		

#### Transport information

- Forbidden on passenger aircraft
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### 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)
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### 16 Other information

Text of R and S phrase codes used in this safety data sheet:- 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

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## ALKLEEN LIQUID

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### 16 Other information (....)

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 Safety Data Sheets Directive (2001/58EC)