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## SAFETY DATA SHEET

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### 1 Identification of the substance or preparation and the supplier

Product Name: **ALKLEEN SAFETY LIQUID**  
 Datasheet Number: 571513 2.0.0  
 Use of the substance/preparation: Cleaning agent  
 Product Part Number: 571513 (25 liter), 571521 (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

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### 2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Organic phosphate ester	1-5	12645-31-7	235-741-0	34	C
Disodium metasilicate	5-10	6834-92-0	229-912-9	34, 37	C
Non classified ingredients	>80				

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### 3 Hazards identification

- Odour: Odourless
- Appearance: Liquid, pale yellow, soluble in water
- Contact with eyes: Can cause damage to the eyes
- Contact with skin: Can cause damage to the skin
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: The ingestion of significant quantities may cause damage to stomach lining



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
- 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

- Do not induce vomiting
- Never give anything by mouth to an unconscious person
- 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)
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## 5 Fire-fighting measures

- Non combustible
  - Decomposition products may include toxic and irritant fumes
  - Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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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

### Immediate Actions

- Contain spillage by any means possible

### Clean Up Actions

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

### Special Precautions

- Wear protective clothing as per section 8
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## 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)
- Protect from frost

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## 8 Exposure controls and personal protection

### Exposure Limits

- There are no recommended or established controls for this product

### 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)



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## 9 Physical and chemical properties

- Odour: Odourless
- Appearance: Liquid, pale yellow, soluble in water
- pH 10.5 - 11.5 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) 1.07
- Non combustible

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## 10 Stability and reactivity

- Stable
- Avoid overheating, Keep away from frost
- See Section 5

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## 11 Toxicological information

### Toxicological information

- No experimental data available

### Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

### Contact with skin

- Prolonged skin or eye contact may cause chemical burns

### Contact with eyes

- Prolonged skin or eye contact may cause chemical burns

### Ingestion

- The ingestion of significant quantities may cause burning sensation

### 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

- The components in this product are readily 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.
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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

### 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

- Not classified as hazardous for transport

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## 15 Regulatory information



Corrosive

### Risk Phrases

- Causes burns (R34)
- Irritating to respiratory system (R37)

### Safety Phrases

- Avoid contact with skin and eyes (S24/25)
- 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

(R34: Causes burns. R37: Irritating to respiratory system.)

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)