

# SAFETY DATA SHEET

## Liquid Alkali

**Preparation Date:** 24-Aug-2015  
**Revision Number:** 3.1  
**Date of last revision:** 17-Sep-2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
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<b>Product Name</b>	Liquid Alkali
<b>Item#:</b>	AUS54474
<b>Recommended use</b>	Alkaline detergent
<b>Uses advised against</b>	Restricted to professional users

<b>Supplier</b>	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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<b>Emergency Telephone Number</b>	131 126 (Poison Control Centre)
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## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Skin corrosion/irritation - Category 1A

Serious eye damage/eye irritation - Category 1

### 2.2. Label Elements

#### Hazard Pictogram(s)



**Name of hazard pictogram(s)** Corrosion

**Signal word** DANGER

**Hazard Statements** H314 - Causes severe skin burns and eye damage

**Precautionary statements**

P102 - Keep out of reach of children  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P264 - Wash hands thoroughly after handling  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P363 - Wash contaminated clothing before reuse  
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P310 - Immediately call a POISON CENTER/doctor.  
 P405 - Store locked up  
 P501 - Dispose of contents/container in accordance with local regulations

#### Note

Signal words and pictograms are not required on labels for AgVet chemicals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hydroxide	1310-73-2	10 - 30%
Water	7732-18-5	> 60%
1,2,4-Butanetricarboxylic acid, 2-phosphono-	37971-36-1	1 - 10%
Sodium heptonate	2670-72-6	1 - 10%
(C8-10) alkyl D-glycopyranoside	92879-30-6	0 - 1%
Non-ionic ethoxylte	37311-00-5	0 - 1%

## 4. FIRST AID MEASURES

**General Advice** Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. Get medical attention immediately.

<b>Skin contact</b>	Wash off immediately with plenty of water. Remove contaminated clothing and shoes. Get medical attention.
<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	The product causes burns of eyes, skin and mucous membranes.
<b>Protective Equipment and Precautions for Firefighters</b>	Standard procedure for chemical fires.
<b>Hazchem Code</b>	2R

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

<b>Safe Handling Advice</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place.
<b>Incompatible products</b>	No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

Chemical name	ES-TWA	ES-STEL	ES-Peak
Sodium hydroxide			2 mg/m <sup>3</sup>

#### Biological standards

No biological limit allocated

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

#### Eye/face Protection

Tightly fitting safety goggles

#### Skin Protection

Long sleeved clothing, Chemical resistant apron, Boots

#### Hand Protection

Neoprene gloves

#### Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

#### General Hygiene Considerations

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Clear

#### Physical state

Liquid

#### Odor

Slight

#### Odor Threshold

No information available

#### pH

> 12

#### Specific Gravity

1.27

#### Vapor Pressure

No data available

#### Vapor Density

No data available

#### Flash Point

No data available

#### Autoignition Temperature

No data available

#### Boiling Point/Range

No data available

#### Melting Point/Range

No data available

#### Freezing Point/Range

No data available

#### Decomposition temperature

No information available

#### Flammability (solid, gas)

No information available

#### Explosion Limits

No information available

#### Evaporation Rate

No data available

#### Relative Density

No data available

#### Solubility

No information available

#### Partition Coefficient

No data available

#### (n-octanol/water)

#### Viscosity

No information available

## 10. STABILITY AND REACTIVITY

#### Reactivity

No information available

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal use
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	Acids
<b>Hazardous decomposition products</b>	No information available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Inhalation</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	No information available.

### **Component Analysis - LD50/LC50**

<b>Chemical name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Sodium hydroxide 1310-73-2	2000 mg/Kg	1350 mg/kg	
Water 7732-18-5	> 90 mL/kg ( Rat )		
1,2,4-Butanetricarboxylic acid, 2-phosphono- 37971-36-1	> 4000 mg/kg ( Rat )	> 4000 mg/kg ( Rat )	> 1979 mg/m <sup>3</sup> ( Rat ) 4 h
Non-ionic ethoxylte 37311-00-5	= 2500 mg/kg ( Rat )		

### Potential Health Effects

<b>Skin Corrosion/Irritation</b>	Corrosive to skin. ( . Category 1A. ). Causes severe burns.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Not hazardous.
<b>Aspiration Hazard</b>	No information available.
<b>Information on likely routes of</b>	No known significant effects or critical hazards

**exposure**

**Early onset symptoms related to exposure (Immediate effects)** None known

**Delayed health effects from exposure** none known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium hydroxide		LC50 (96 h) 72 mg/L		
1,2,4-Butanetricarboxylic acid, 2-phosphono-	140: 72 h Desmodesmus subspicatus mg/L EC50	500: 48 h Leuciscus idus mg/L LC50 static		265: 24 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility.

**Other adverse effects** No information available

**Biodegradation** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated Packaging** Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

**Personal precautions** Use personal protective equipment. Avoid contact with skin, eyes and clothing.

## 14. TRANSPORT INFORMATION

**Road and Rail transport**

<b>UN-No</b>	1760
<b>Proper Shipping Name</b>	Corrosive liquid, n.o.s ( Sodium hydroxide )
<b>Technical name</b>	Sodium hydroxide
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not regulated
<b>Hazchem Code</b>	2R

**IMDG/IMO**

<b>UN-No</b>	No information available
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<b>Proper shipping name</b>	No information available
<b>Technical name</b>	No information available
<b>Hazard Class</b>	No information available
<b>Packing Group</b>	No information available
<b>IMDG Marine Pollutant</b>	Not regulated

**IATA/ICAO**

<b>UN-No</b>	No information available
<b>Proper Shipping Name</b>	No information available
<b>Technical name</b>	No information available
<b>Hazard Class</b>	No information available
<b>Packing Group</b>	No information available

<b>EPG Code</b>	8A1
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**15. REGULATORY INFORMATION**

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No information available
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<b>Poison Schedule Number</b>	Schedule 6
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<b>APVMA Approval Number</b>	54474
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**16. OTHER INFORMATION**

<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Preparation Date:</b>	24-Aug-2015
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<b>Date of last revision:</b>	17-Sep-2020
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<b>Revision Number:</b>	3.1
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<b>Reason for revision</b>	5-Yearly revision (no changes required).
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**Disclaimer**

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**End of SDS**