

SAFETY DATA SHEET

Liquid Alkali

Preparation Date: 24-Aug-2015

Revision Number: 3.0

Revision Date: 16-Feb-2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	Liquid Alkali
Item#:	AUS54474
Recommended use	Alkaline detergent
Uses advised against	Restricted to professional users

Supplier	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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Emergency Telephone Number	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	<p>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</p>

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.
Skin contact	Wash off immediately with plenty of water. Remove contaminated clothing and shoes. Get medical attention.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	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 Centre immediately.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Safe Handling Advice	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Keep container tightly closed in a dry and well-ventilated place.
Incompatible products	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 ³

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 (n-octanol/water)

No data available

Viscosity

No information available

10. STABILITY AND REACTIVITY

Reactivity

No information available

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	No information available.
Skin contact	No information available.
Ingestion	No information available.

Component Analysis - LD50/LC50

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

Potential Health Effects

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

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

IMDG/IMO

UN-No	No information available
Proper shipping name	No information available
Technical name	No information available
Hazard Class	No information available
Packing Group	No information available

IMDG Marine Pollutant Not regulated

IATA/ICAO

UN-No No information available
Proper Shipping Name No information available
Technical name No information available
Hazard Class No information available
Packing Group No information available

EPG Code 8A1

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture No information available

Poison Schedule Number Schedule 6

APVMA Approval Number 54474

16. OTHER INFORMATION

Prepared By DeLaval NV
 Industriepark-Drongen 10
 9031 Gent
 Belgium

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Reason for revision Classification according to GHS.

Disclaimer

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End of SDS