

SAFETY DATA SHEET

Alkali HW

Preparation Date: 25-Aug-2015

Revision Number: 3.0

Revision Date: 03-Jan-2017

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

Product Name	Alkali HW
Item#:	AUS54476
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 1B
 Serious eye damage/eye irritation - Category 1
 Specific target organ toxicity (single exposure) - Category 3

2.2. Label Elements

Hazard Pictogram(s)



Name of hazard pictogram(s)

Corrosion, Exclamation mark

Signal word

DANGER

Hazard Statements

H314 - Causes severe skin burns and eye damage
 H335 - May cause respiratory irritation

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
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 - Use only outdoors or in a well-ventilated area
 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.
 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.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a POISON CENTER/doctor if you feel unwell
 P405 - Store locked up
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 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 carbonate	497-19-8	30 - 60%
Sodium metasilicate	6834-92-0	10 - 30%
Pentasodium triphosphate	7758-29-4	10 - 30%
Non-ionic ethoxylte	37311-00-5	1 - 10%

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	Rinse with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting. 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	No Hazchem Code allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal.

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	No exposure standard allocated
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
Hand Protection	Neoprene gloves
Respiratory Protection	In case of dust formation use a dust mask.
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	White
Physical state	Powder
Odor	None
Odor Threshold	No information available
pH	No data available
pH (1%)	> 12
Specific Gravity	1.01
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Boiling Point/Range	Not applicable
Melting Point/Range	No data available
Freezing Point/Range	Not applicable
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	Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight.
Incompatible Materials	acids, oxidizing agents
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 carbonate 497-19-8	= 4090 mg/kg (Rat)		= 2300 mg/m ³ (Rat) 2 h
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)		
Pentasodium triphosphate 7758-29-4	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	
Non-ionic ethoxylte 37311-00-5	= 2500 mg/kg (Rat)		

Potential Health Effects

Skin Corrosion/Irritation	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	May cause respiratory irritation.
STOT - repeated exposure	No information available.
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 carbonate	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50
Sodium metasilicate	EC50= 207 mg/l	LC50= 210mg/l		216: 96 h Daphnia magna mg/L EC50
Pentasodium triphosphate		1650: 48 h Leuciscus idus mg/L LC50		

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. For personal protection see section 8.

14. TRANSPORT INFORMATION

Road and Rail transport

UN-No	Not regulated
Proper Shipping Name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Environmental hazard	Not regulated
Special Precautions	Not regulated
Hazchem Code	No Hazchem Code allocated

IMDG/IMO

UN-No	Not regulated
Proper shipping name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
IMDG Marine Pollutant	Not regulated

IATA/ICAO

UN-No	Not regulated
Proper Shipping Name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	No information available
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Poison Schedule Number	Schedule 5
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APVMA Approval Number	54476
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16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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Reason for revision	Classification according to GHS.
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Disclaimer

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End of SDS