

SAFETY DATA SHEET

Chlortech

Preparation Date: 22-Dec-2016

Revision Number: 3.0

Revision Date: 20-Dec-2016

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

Product Name	Chlortech
Item#:	AUS54470
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
 Acute aquatic toxicity - Category 2
 Chronic aquatic toxicity - Category 2

2.2. Label Elements

Hazard Pictogram(s)



Name of hazard pictogram(s)

Corrosion, Environment

Signal word

DANGER

Hazard Statements

H314 - Causes severe skin burns and eye damage
 H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

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
 P273 - Avoid release to the environment
 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

contains

Sodium hydroxide

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	30 - 60%
Sodium carbonate	497-19-8	10 - 30%
Sodium metasilicate	6834-92-0	1 - 10%
Sodium Dichloroisocyanurate	2893-78-9	1 - 10%
Pentasodium triphosphate	7758-29-4	1 - 10%
Non-ionic alkoxylate	61702-77-0	1 - 10%
Heligon Blue FK7077	147-14-8	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. 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	In the event of fire, wear self contained breathing apparatus.
Hazchem Code	4WE

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. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

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

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

Light blue

Physical state

Suspension

Odor

None

Odor Threshold

No information available

pH

No data available

pH (1%)

13

Specific Gravity

1.13

Water Solubility

soluble

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

No data available

(n-octanol/water)

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, organic materials
Hazardous decomposition products	Chlorine

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	
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)		
Sodium Dichloroisocyanurate 2893-78-9	= 735 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 50 mg/L (Rat) 1 h
Pentasodium triphosphate 7758-29-4	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	

Potential Health Effects

Skin Corrosion/Irritation	Causes burns. Corrosive to skin. (. Category 1A.).
Serious eye damage/eye irritation	Risk of serious damage to eyes.
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

Ecotoxicity effects Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium hydroxide		LC50 (96 h) 72 mg/L		
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
Sodium Dichloroisocyanurate		0.25 - 1: 96 h Lepomis macrochirus mg/L LC50 static 0.207 - 0.389: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.13 - 0.36: 96 h Oncorhynchus mykiss mg/L LC50 static 0.176 - 0.267: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.29: 96 h Oncorhynchus mykiss mg/L LC50		0.00018 - 0.00021: 48 h Daphnia magna mg/L EC50 0.093 - 0.16: 48 h Daphnia magna mg/L EC50
Pentasodium triphosphate		1650: 48 h Leuciscus idus mg/L LC50		
Heligon Blue FK7077		100: 48 h Oryzias latipes mg/L LC50 static		

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	1759
Proper Shipping Name	Corrosive solid, n.o.s (Sodium hydroxide, Sodium metasilicate)
Technical name	Sodium hydroxide, Sodium metasilicate
Hazard Class	8
Packing Group	III
Environmental hazard	Not regulated
Special Precautions	Not regulated
Hazchem Code	4WE

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	No information available

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	8A2
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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 54470

16. OTHER INFORMATION

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 9031 Gent
 Belgium

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Disclaimer

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End of SDS