

# SAFETY DATA SHEET

# Chlortech

**Preparation Date:** 22-Dec-2016  
**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>	Chlortech
<b>Item#:</b>	AUS54470
<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  
 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%
Disodium 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

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye contact</b>	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. 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>	In the event of fire, wear self contained breathing apparatus.
<b>Hazchem Code</b>	4WE

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.
<b>Environmental Precautions</b>	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.
<b>Methods for cleaning up</b>	Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

#### 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

#### 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

<b>Reactivity</b>	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>	Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	Acids, organic materials
<b>Hazardous decomposition products</b>	Chlorine

## 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	
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )		
Disodium metasilicate 6834-92-0	= 1153 mg/kg ( Rat )		
Sodium Dichloroisocyanurate 2893-78-9	= 1823 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	0.27 - 1.17 mg/L ( Rat ) 4 h
Pentasodium triphosphate 7758-29-4	= 3120 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	
Heligon Blue FK7077 147-14-8	> 10000 mg/kg ( Rat )		

### Potential Health Effects

<b>Skin Corrosion/Irritation</b>	Causes burns. Corrosive to skin. ( . Category 1A. ).
<b>Serious eye damage/eye irritation</b>	Risk of serious damage to eyes.
<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 exposure</b>	No known significant effects or critical hazards
<b>Early onset symptoms related to exposure (Immediate effects)</b>	None known
<b>Delayed health effects from exposure</b>	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
Disodium metasilicate	EC50= 207 mg/l	LC50= 210mg/l		216: 96 h Daphnia magna mg/L EC50
Sodium Dichloroisocyanurate		0.207 - 0.389: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.25 - 1: 96 h Lepomis macrochirus 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 0.13 - 0.36: 96 h Oncorhynchus mykiss mg/L LC50 static		0.093 - 0.16: 48 h Daphnia magna mg/L EC50 0.00018 - 0.00021: 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

<b>Bioaccumulation/Accumulation</b>	No information available.
<b>Mobility</b>	Will likely be mobile in the environment due to its water solubility.
<b>Other adverse effects</b>	No information available
<b>Biodegradation</b>	No information available.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
<b>Contaminated Packaging</b>	Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.
<b>Personal precautions</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

### 14. TRANSPORT INFORMATION

#### Road and Rail transport

<b>UN-No</b>	1759
<b>Proper Shipping Name</b>	Corrosive solid, n.o.s ( Sodium hydroxide, disodium metasilicate )
<b>Technical name</b>	Sodium hydroxide, disodium metasilicate
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not regulated
<b>Hazchem Code</b>	4WE

#### IMDG/IMO

<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>IMDG Marine Pollutant</b>	No information available

#### 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>	8A2
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### 15. REGULATORY INFORMATION

<b>Safety, health and environmental</b>	No information available
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**regulations/legislation specific  
for the substance or mixture****Poison Schedule Number** Schedule 6**APVMA Approval Number** 54470**16. OTHER INFORMATION****Prepared By** DeLaval NV  
Industriepark-Drongen 10  
9031 Gent  
Belgium**Preparation Date:** 22-Dec-2016**Date of last revision:** 17-Sep-2020**Revision Number:** 3.1**Reason for revision** 5-Yearly revision (no changes required).**Disclaimer**

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**End of SDS**