

SAFETY DATA SHEET

Chloridet

Preparation Date: 14-Nov-2016

Revision Number: 3.0

Revision Date: 17-Nov-2016

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

Product Name	Chloridet
Item#:	AUS60691
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 1
 Physical hazards - Corrosive to Metals

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 H400 - Very toxic to aquatic life H290 - May be corrosive to metals
Precautionary statements	P102 - Keep out of reach of children P234 - Keep only in original container P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash hands and face 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. P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER/doctor. P363 - Wash contaminated clothing before reuse P390 - Absorb spillage to prevent material damage P405 - Store locked up P406 - Store in original container with a resistant inner layer. P501 - Dispose of contents/container in accordance with local regulations
contains	Sodium hydroxide, sodium hypochlorite
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%
Sodium hypochlorite	7681-52-9	1 - 10%
Water	7732-18-5	30 - 60%
Benzene, 1,1 -oxybis-, sec-hexyl derivatives, sulphonated, sodium salts	147732-60-3	0 - 1%
Benzenesulfonic acid, dodecyl (sulfophenoxy)-, disodium salt	28519-02-0	0 - 1%
Benzenesulfonic, oxybis (dodecyl-), disodium salt	25167-32-2	0 - 1%

4. FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off with plenty of water. Get medical attention if irritation develops and persists. Get medical attention if symptoms occur.
Inhalation	Remove from exposure, lie down. Remove person to rest. Get medical attention immediately if symptoms occur.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in a stable position, lying on one side. Get medical attention.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water fog. alcohol-resistant foam. Foam. Dry powder. Carbon dioxide (CO ₂). Dry chemical.
Unsuitable Extinguishing Media	No information available
Specific hazards arising from the chemical	Non-combustible material.
Protective Equipment and Precautions for Firefighters	Standard procedure for chemical fires.
Hazchem Code	2R

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see section 8.
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Environmental Precautions	Prevent further leakage or spillage if safe to do so. Should not be released into the environment.
Methods for cleaning up	Soak up with inert absorbent material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not breathe vapours. Keep upwind. Ensure adequate ventilation.
Other information	Dangerous goods Initial Emergency Response Guide Number 37

7. HANDLING AND STORAGE

Safe Handling Advice	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
Storage	Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from food, drink, and animal feedstuffs. Keep away from heat and sources of ignition. Store locked up. Corrosive to metals. Keep away from metals. Store in corrosion resistant container with a resistant inner liner. Store in upright position only. Keep container tightly closed. Prevent further leakage or spillage if safe to do so. Store in accordance with local regulations.
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	Use only with adequate ventilation to keep exposures below recommended exposure limits. Ensure adequate ventilation, especially in confined areas Use with ventilation, local exhaust ventilation or breathing protection.
<u>Personal Protective Equipment</u>	
Eye/face Protection	Safety glasses with side-shields
Skin Protection	Long sleeved clothing, Boots
Hand Protection	nitrile rubber, Rubber gloves
Respiratory Protection	No special protective equipment required.
General Hygiene Considerations	Wash hands after handling. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Keep away from food, drink and animal feedingstuffs. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless
Physical state	Liquid
Odor	Chlorine
Odor Threshold	No information available
pH	13 - 14
Specific Gravity	1.31 (20°C)
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Boiling Point/Range	100 °C
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	Miscible
Partition Coefficient (n-octanol/water)	No data available
VOC Content	No data available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal use
Conditions to Avoid	Heat. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	acids, Ammonia, metals, Metal salts, reducing agents, Peroxides
Hazardous decomposition products	Corrosive to aluminium, zinc and tin, liberating flammable hydrogen gas. Reacts vigorously with acids liberating toxic chlorine gas. Absorbs carbon dioxide from air. Reacts exothermically on dilution with water

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	not classified. Acute Toxicity Estimate (based on ingredients): > 20 mg/L.
Skin contact	Not classified. Acute Toxicity Estimate (based on ingredients): > 2000 mg/kg.
Ingestion	Not classified. Acute Toxicity Estimate (based on ingredients): > 2000 mg/kg.

Component Analysis - LD50/LC50

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide 1310-73-2	2000 mg/Kg	1350 mg/kg	
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	10000 mg/kg (Rabbit)	
Benzenesulfonic, oxybis (dodecyl-), disodium salt 25167-32-2	= 1000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	

Potential Health Effects

Skin Corrosion/Irritation	Causes severe burns. (. Category 1A.).
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not classified. Classification based on data available for ingredients.
Mutagenic effects	Contains no ingredient listed as a mutagen.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Effects	No known significant effects or critical hazards.
STOT - single exposure	None known.
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	Very toxic to aquatic life. Do not allow to enter drinking water supplies, waste water, or soil!.
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Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium hydroxide		LC50 (96 h) 72 mg/L		
Sodium hypochlorite	0.095: 24 h Skeletonema costatum mg/L EC50	LC50 (96 h) 0.06 mg/l		0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static 2.1: 96 h Daphnia magna mg/L EC50
Benzenesulfonic, oxybis (dodecyl-), disodium salt		3.85: 96 h Pimephales promelas		3.63: 48 h Daphnia magna mg/L LC50

		mg/L LC50 flow-through 6.81: 96 h Lepomis macrochirus mg/L LC50 static		
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Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available.

Other adverse effects No information available

Biodegradation No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Road and Rail transport

UN-No	1824
Proper Shipping Name	Sodium hydroxide solution
Hazard Class	8
Packing Group	III
Environmental hazard	Environmental hazard
Special Precautions	Not regulated
Hazchem Code	2R

IMDG/IMO

UN-No	1824
Proper shipping name	1824 - Sodium hydroxide solution
Hazard Class	Not regulated
Packing Group	Not regulated
IMDG Marine Pollutant	Yes

IATA/ICAO

UN-No	1824
Proper Shipping Name	1824 - Sodium hydroxide solution
Hazard Class	Not regulated
Packing Group	Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth). All components of this product are listed on or exempt from the Australian Inventory of Chemical

for the substance or mixture Substances (AICS). The Agricultural and Veterinary Chemicals Act (Commonwealth) and/or applicable Commonwealth, State or Territory control-of-use legislation

Poison Schedule Number Schedule 5, Schedule 6

16. OTHER INFORMATION

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Disclaimer

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End of SDS