


Parameter

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name	Parameter
Other names	None
Recommended Uses	Chlorinated alkali detergent
Supplier	Hygiene Technologies Ltd
Street address	28 Rangitane Road, Whakatu Hastings New Zealand
Freephone Number	0800 732 525
Telephone Number	(06) 876 4111
Facsimile	(06) 878 3802
Email	info@hygienetech.co.nz
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods	Classified as a dangerous good according to NZS 5433:2020 Transport of Dangerous Goods on Land.
Hazardous Substances	Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.
Signal Word	Danger
	
Pictograms	Exclamation Mark, Corrosion, Environmental
HSNO Classifications	Acute Toxicity – Oral – Category 4 Skin Corrosion – Category 1B Eye Damage – Category 1 Acute Aquatic Hazard – Category 2 Chronic Aquatic Hazard – Category 2
Hazard Statements	May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects. Toxic to terrestrial vertebrates. Contact with acids may liberate toxic gas.

Precautionary Statements	<p>Keep out of reach of children. Read label before use. Keep in original container. Do not breathe spray. In case of inadequate ventilation wear respiratory protection. Wear protective gloves, eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Collect spillage.</p>
Response Statements	<p>If medical advice is needed, have product container or label at hand. IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a doctor if you feel unwell. IF ON SKIN (or hair): Rinse skin with water. Remove immediately all contaminated clothing. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. Absorb spillage to prevent material damage.</p>
Storage Statements	<p>Store locked up. Store in corrosive resistant container.</p>
Disposal Statements	<p>Dispose of contents and container in accordance with NZ Hazardous Substances Disposal Notice 2017, Section 9.</p>

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contents	CAS Number	Proportion
Sodium Hydroxide	1310-73-2	10-30%
Sodium Hypochlorite	7681-52-9	1-5%
Water and non-hazardous ingredients (at the concentrations used)	N/A	To 100%

4. FIRST AID MEASURES

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor
If medical advice is needed, have product container or label at hand. If exposed or if you feel unwell: Call a POISON CENTER or doctor

Swallowed	Do <u>NOT</u> induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. If symptoms persist call a POISON CENTRE or doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist contact a doctor/physician.
Skin Contact	Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water/shower.
Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist call a doctor
Advice to Doctor	Treat symptomatically, can cause corneal burns. Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

5. FIRE-FIGHTING MEASURES

Specific Hazard	Non-combustible material. The product may decompose in a fire giving off toxic carbon monoxide and possible chlorine gas.
Suitable Extinguishing Media	This product is non-combustible, if material is involved in fire use media appropriate for surrounding fire conditions. Safe to use water fog or water spray, foam, dry agent (carbon dioxide, dry chemical powder).
Fire-fighting advice	Non-combustible, however following evaporation of aqueous component residual material can decompose if involved in a fire, emitting toxic fumes. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk to exposure to products of decomposition.
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

Small Spills	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
Large Spills	If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling advice	Before use, carefully read the product label. Avoid eye contact with concentrated material. Avoid breathing in vapours, mists and aerosols. Wash hands thoroughly after handling. Wear protective gloves, eye protection and overalls when handling bulk product. Contaminated work clothing should not be allowed out of the workplace after handling bulk product. Avoid release to the environment.
Storage advice	Store in a cool, dry well-ventilated area, away from direct sunlight, heat sources and food stuffs. Ensure containers are correctly labelled, protected from physical damage, sealed when not in use and stored upright. Check regularly for leaks, spills etc. Keep out of reach of children. Keep containers closed when not in use. Store in original packaging as approved by manufacturer. Do not use empty containers for the storage of foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

No value assigned for this specific material by the NZ Occupational Safety and Health Services (OSH).

Engineering Controls

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment

Wear safety glasses, and use PVC vinyl or rubber gloves. If risk of inhalation exists wear a respirator meeting the requirements of AS/ NZS 1715 and AS/ NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, pale-yellow liquid
Odour	Slight chlorine
Solubility	Soluble in water
Specific Gravity	1.15 - 1.2 approx.
Flash Point (⁰C)	Not applicable
pH	14
Freezing Point	<0 °C
Boiling Point	>100 °C
Vapour Pressure	Not available

10. STABILITY AND REACTIVITY

Stability	Product is stable under directed conditions of use, storage and temperature.
Reactivity	Incompatible with acids, may release toxic chlorine gas if mixed.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Swallowed	Corrosive to skin. May cause abdominal pain, nausea, diarrhoea, and gastrointestinal irritation
Eye Contact	Corrosive to eyes, contact can cause corneal burns and result in permanent injury.
Skin Contact	Corrosive to skin - may be severe with sensitive individuals or repeated contact. May result in irritation and redness. Prolonged or repeated contact may cause dermatitis. May cause an allergic skin reaction in individuals known to suffer allergic reactions to chemical products.
Inhaled	Breathing in mists or aerosols may produce respiratory damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Toxicological Data No LD₅₀ data available for this product
For component Sodium Hydroxide: Oral LD₅₀ (rat): 500 mg/kg

12. ECOLOGICAL INFORMATION

Classification Toxic to aquatic species with long term effects.

Aquatic toxicity No LC₅₀ data available for this product.

13. DISPOSAL

Recycle wherever possible. Whatever cannot be saved for recovery, or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for unauthorised disposal by either landfill or via municipal sewers. Not to be discharged to drains, natural streams or rivers.

Special Precautions: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.

UN No	3266
Class-primary	8
Packing Group	II
Proper Shipping Name	Corrosive Liquid basic inorganic. N.O.S (contains SODIUM HYDROXIDE)
Hazchem Code	2X

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No	3266
Class-primary	8
Packing Group	II
Proper Shipping Name	Corrosive Liquid basic inorganic. N.O.S (contains SODIUM HYDROXIDE)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous goods Regulations for transport by air.

UN No	3266
Class-primary	8
Packing Group	II
Proper Shipping Name	Corrosive Liquid basic inorganic. N.O.S (contains SODIUM HYDROXIDE).

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code	HSR 002526
Group Standard	Cleaning Products (Corrosive) Group Standard 2020
Classifications	Acute Toxicity – Oral – Category 4 Skin Corrosion – Category 1B Eye Damage – Category 1 Acute Aquatic Hazard – Category 2 Chronic Aquatic Hazard – Category 2

For more information refer to the ERMA website: www.epa.govt.nz

16. OTHER INFORMATION

Revision Date	24 March 2026
Reason for Issue	Regular Review

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