

# SAFETY DATA SHEET



## Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: CLEAN ALL  
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
Recommended use: Multipurpose Cleaner  
Restrictions of use: Refer to Section 15

Company Details: Marketing Chemicals Ltd  
Address: 7 Rymer Place, Mangere Bridge, Auckland. New Zealand  
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]  
Fax: +64 9 634 3864  
Emergency Telephone: +64 274 340990(24 hours)  
National Poison Centre(24 hours): 0800 POISON [ 764 766]  
Date of preparation: 2 September 2024 v2

## Section 2: Hazard Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval Number:** Industrial and Institutional Cleaning Products (Corrosive, Carcinogenic) - HSR0002588

### Pictograms:



Chronic Corrosive Ecotoxic

### Signal Word: DANGER

GHS Category	Hazard Code	Hazard Statement
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
Corrosive to metals Cat. 1	H290	May be corrosive to metals.
Skin corrosion Cat. 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

P202 Do not handle until all safety precautions have been read and understood.

P234 Keep only in original packaging.  
P260 Do not breathe dust, fumes, gas, mist, vapours or spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective clothing as detailed in SDS Section 8.

<b>Response code</b>	<b>Response Statement</b>
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove 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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.
P406	Store in a corrosive resistant container with a resistant inner liner.

### Section 3: Composition/Information on Ingredients

<b>Name</b>	<b>% by Wt.</b>	<b>CAS Number</b>
Sodium meta-Silicate, Pentahydrate	2.0 – 10.0	10213-79-3
Water Conditioner	2.0 – 10.0	5064-31-3
Sodium Hydroxide	2.0 – 5.0	1310-73-2
Quaternary Ammonium Chloride	2.0 – 5.0	8001-54-5
Non-hazardous materials	Balance	

### Section 4: First Aid Measures

<b>Eyes:</b>	If medical advice is needed, have product container or label at hand. Immediately call a POISON CENTER or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing.

**Most important symptoms and effects, both acute and delayed**

**Symptoms:**

**Ingestion:** Burns to throat and mouth, drooling, throat pain

**Inhalation:** In acute cases pulmonary oedema resulting from aspiration, dyspnea and cyanosis due to paralysis of the respiratory muscles, bronchoconstriction, cough can occur

**Skin:** Burns, redness, blisters

**Eye:** Contact with the eyes causes disintegration and sloughing of conjunctiva and corneal epithelium, corneal opacification, marked edema, and ulceration

**For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]**

## Section 5: Fire Fighting Measures

<b>Hazard Type</b>	Corrosive
<b>Hazards from combustion products</b>	Oxides of carbon, possible toxic fumes
<b>Suitable Extinguishing media</b>	Use media suitable for surrounding materials
<b>Precautions for firefighters and special protective clothing</b>	Liquid tight chemical suit recommended
<b>HAZCHEM CODE</b>	None Allocated

## Section 6: Accidental Release Measures

Wear protective clothing as detailed in Section 8. Evacuate all unnecessary personnel. Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal.

## Section 7: Handling And Storage

### Handling

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep only in original container.
- Do not breathe fumes or vapours.
- Keep container closed.
- Wash hands thoroughly after handling.
- Use only with adequate ventilation.
- Do not taste or swallow.
- To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Add small amounts of product slowly and evenly over single addition, Water should not exceed 70<sup>0</sup> C during addition.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required.
- In case of inadequate ventilation wear respiratory protection.

**Storage:**

- Store locked up.
- Store in a corrosive resistant container with a resistant inner liner.
- Do not store near strong acids.

## Section 8: Exposure Controls/Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium hydroxide [1310-73-2]				Ceiling 2 mg/m <sup>3</sup>

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

<b>Engineering Controls:</b>	General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
<b>Eye / Face Protection:</b>	Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.
<b>Body Protection:</b>	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
<b>Respiratory Protection:</b>	Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

## Section 9: Physical And Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear thin
<b>Odour</b>	Orange
<b>Odour Threshold</b>	Not available
<b>pH</b>	11-13
<b>Boiling Point</b>	100°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non Flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	1.04
<b>Solubility in Water</b>	Completely
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available

<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not applicable
<b>Evaporation Rate</b>	Not available

## Section 10: Stability And Reactivity

<b>Stability of the Substance:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	None known.
<b>Materials to avoid:</b>	Strong acids, Heat
<b>Hazardous Decomposition Products:</b>	Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminium. Hydrogen gas can result in explosive hazards in confined spaces.
<b>Conditions Contributing to Hazardous Polymerization</b>	None known

## Section 11: Toxicological Information

This product has not been evaluated for toxicological purposes.

### Acute Effects:

<b>Eyes:</b>	Causes severe eye damage. SPECIES: RESULT: Contact with the eyes causes disintegration and sloughing of conjunctiva and corneal epithelium, corneal opacification, marked edema, and ulceration; After 7 to 13 days either gradual recovery begins, or there is progression of ulceration and corneal opacification. Complications of severe eye burns are symblepharon (adhesion of the lid to the eyeball) with overgrowth of the cornea by a vascularized membrane, progressive or recurrent corneal ulceration, and permanent corneal opacification.
<b>Skin:</b>	Causes burns to the skin and eyes. SPECIES: Rabbit; ENDPOINT: LD50; VALUE: 1350 mg/kg SPECIES: RESULT: Corrosive irritant. SPECIES: Mouse; RESULT: Highly corrosive. REMARK: EC Classification = Highly corrosive (causes severe burns).
<b>Ingestion:</b>	Harmful if swallowed: SPECIES: Mouse ENDPOINT: LD50 VALUE: 150 mg/kg
<b>Inhalation:</b>	SPECIES: RESULT: In acute cases pulmonary oedema resulting from aspiration, dyspnea and cyanosis due to paralysis of the respiratory muscles, bronchoconstriction, cough can occur.
<b>Dermal:</b>	May be harmful in contact with skin.

### Chronic Effects:

Carcinogenicity:	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

## Section 12: Ecological Information

Toxic to aquatic life with long lasting effects.

**Environmental Precautions:** Do not allow product to wash into waterways.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

SPECIES: Oncorhynchus mykiss (Fish, fresh water) ;TYPE OF EXPOSURE: Static; DURATION: 96 hr  
ENDPOINT: LC50; VALUE: 45.4 mg/l

SPECIES: Ceriodaphnia dubia Water flea; TYPE OF EXPOSURE: ;DURATION: 48 hr  
ENDPOINT: EC50 ;VALUE: 40.38 mg/l

SPECIES: Rabbit ; ENDPOINT: LD50 ; VALUE: 1350 mg/kg bw

### Section 13: Disposal Considerations

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

### Section 14: Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



**Road/Air/Sea**

**UN No:** 3266  
**Proper Shipping Name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Dangerous Goods Class:** 8  
**Subsidiary risk**  
**Packing Group:** III

### Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	250 L
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Restriction of Use	Only use for the intended purpose.

**Section 16: Other Information**

**Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

**References:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14<sup>th</sup> edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

**Disclaimer**

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