

SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Geller Caustic Soda Drain Cleaner
Other Name:	NaOH, "soda lye", "white caustic soda", "caustic soda, anhydrous", lye, "sodium hydroxide solid", pellets, pearl, flakes, alkali, "caustic soda -pearl"
Recommended Use:	Component of alkali cleaners.
Company Identification: Address:	Integra Industries Ltd 149 King Edward St Dunedin Ph: (03) 4556805
Emergency Telephone Number:	IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE
National Poisons Information Centre:	0800 POISON (0800 764 766) 24 HOURS

Section 2: HAZARD IDENTIFICATION

Hazardous Substance (HSNO):	6.1D (Harmful if swallowed) 8.1A (May be corrosive to metals) 8.2B (Causes skin irritation) 8.3A (Causes serious eye damage) 9.1D (Harmful to aquatic life)
------------------------------------	---

Dangerous Goods: Dangerous Goods Class 8, Packing Group III.

GHS Classification	Skin Corrosive : Category 1B
	Corrosive to metals : Category 1
	Serious Eye Damage : Category 1B

GHS label elements
Hazard pictograms



Signal word:

Hazard Statements: **DANGER**

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life..

Prevention Statements:

Prevention:
P102 Keep out of reach of children.
P103 Read label before use.
P234 Keep only in original container.

P260 Do not breathe mist/vapours/spray.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P321 Specific treatment (see First Aid Measures on the Safety Data Sheet).
 P363 Wash contaminated clothing before re-use.
 P390 Absorb spillage to prevent material damage.

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Sodium Hydroxide	1310-73-2	.97%

Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.

Inhalation: May cause nasal and respiratory irritation. Remove patient to fresh air. Seek medical assistance if effects occur

Ingestion: May cause burns and irritation to mouth and throat. Rinse mouth out and drink large quantities of water. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.

Skin: Causes irritation to skin. Wash off thoroughly with water.

Eye: Severe irritant. Irrigate eyes thoroughly under running water for 15 minutes. Seek medical assistance if effects occur

Advice to Doctor: No specific antidote. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Flammability: Non flammable

Hazardous Combustion Products: None

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear appropriate protective clothing. Exclude non-essential people from the area. Contain liquid spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.

Protective Clothing: For appropriate personal protective equipment see section 8.

Environmental Precaution: Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. Avoid contact with skin, eyes and inhalation.

Storage: Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.

Other Information: Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: No exposure limits have been assigned for this product by OSHA

Protective Equipment: Use PVC gloves and safety goggles when handling.

Engineering Controls: Handle in well ventilated area.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque liquid
Odour: Sodium Hydroxide Odour
Density:
Solubility in Water: Disperses in water
pH: 13+
Other Information:

Section 10: STABILITY AND REACTIVITY

Stability: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.

Hazardous Polymerisation: Hazardous polymerisation will not occur

Materials to Avoid: Avoid contact with strong oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

Inhalation: Breathing in mists or aerosols may produce respiratory irritation.

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, and chemical burns to the gastrointestinal tract.

Skin: Highly corrosive to skin – may cause skin burns.

Eye: Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Chronic Effects: No toxicity data for this specific product, however toxicity data for the hazardous ingredient is listed below.

TOXICITY DATA FOR SODIUM HYDROXIDE:

Intraperitoneal LD₅₀ (mouse) 40 mg/kg Oral Lowest Lethal Dose (rabbit) 500 mg/kg
Skin (rabbit) severe irritation 500mg/24hr Eyes (rabbit) severe irritation 1 mg/30 sec rinse

Reproductive Toxicity: Data indicates no reproductive effects

Mutagenicity: No mutagenic or teratogenic effects expected

Section 12: ECOLOGICAL INFORMATION

ERMA Classification: NA

Ecotoxicity: Avoid contaminating waterways. The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH > 9 can have an effect on fish, with possible fish death). pH > 8.5 could be destroying for algae.

Persistence/Mobility: This product has no organic components thus AS4351 is not applicable.

Section 13: DISPOSAL INFORMATION

Product Disposal: Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.

Container Disposal: The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not recommended, as it is unlikely to adequately burn.

Section 14: TRANSPORT INFORMATION

RAIL/ROAD:

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

SEA (IMDG Code):

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

AIR: (ICAO/IATA)

UN Number:	1719
Proper Shipping Name:	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
DG Class:	8
Packing Group:	II
Marine Pollutant:	Yes

Other Information:

Section 15: REGULATORY INFORMATION

Cleaning Products Subsidiary Hazards Group Standard: HSR002530

Section 16: OTHER INFORMATION

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.