

BEBBINGTON INDUSTRIES SAFETY DATA SHEET

SODIUM HYDROXIDE SOLUTION

0.1 – 0.99 N (0.4 - 4 %)

SECTION 1 - IDENTIFICATION

Product identifier used on the label: SODIUM HYDROXIDE SOLUTION. EXACT CONCENTRATION ON LABEL. THIS SDS APPLIES TO ALL CONCENTRATIONS BETWEEN 0.1 AND 0.99 N (0.4 - 4 %)

Recommended use and restrictions on use:

For professional use only.

Manufacturer/Supplier

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SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION

Skin corrosion/irritation Category 1C

Eye corrosion/irritation Category 1

HAZARD PICTOGRAMS



LABEL ELEMENTS

Signal Word	DANGER
Hazard Statements	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
Precautions	Avoid breathing dust/fumes/mist/vapors/spray. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical attention. Wash contaminated clothing before reuse. IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. 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/physician.
Storage	Store locked up. Dispose of contents/container to comply with applicable regulations.

Other hazards not otherwise classified:

None known

SECTION 3 – COMPOSITION/INFORMATIN ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS NUMBER	% BY WEIGHT
Sodium Hydroxide	1310-73-2	0.4 - 4

SECTION 4 – FIRST AID MEASURES

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes and keep eyelids apart and away from eyeballs during flushing process. Remove contact lenses if present and easy to do. Continue rinsing. Call a physician immediately.

Skin Contact

If on skin (or hair) immediately take off all contaminated clothing. Rinse affected skin with water or shower. If skin irritation persists get medical attention immediately.

Inhalation

If inhaled, remove to fresh air. Call a physician if symptoms appear.

Ingestion

DO NOT induce vomiting but rinse mouth with water. Immediately call a poison control center or physician. Give several glasses of water to dilute the product. Never give anything by mouth if victim is unconscious or convulsing.

Most important Symptoms and Effects

Causes severe skin burns and eye damage

SECTION 5 – FIRE FIGHTING MEASURES**Suitable extinguishing media**

This product is not flammable. The extinguishing media should be appropriate for the surrounding products.

Special Exposure Hazards

This product causes burns to the skin, eyes and mucous membranes. Thermal decomposition may lead to the release of irritating and toxic vapors. In the event of a fire, do not breathe fumes.

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting, if necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Use personal protective equipment. Avoid breathing vapor, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas upwind from Spill. Ensure clean up is conducted by trained personnel.

Environmental precautions

Prevent leakage or spillage if safe to do so. Do not let product enter drains. Dike spills wherever possible to prevent material from entering drains or waterways.

Methods and materials for containment and cleaning up

Contain spillage and then soak up using an inert absorbent material. Dispose of absorbent as hazardous waste.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes and do not inhale mist. Wear protective equipment when handling.

Conditions for safe storage

Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be resealed and kept upright to avoid leakage. Keep out of reach of children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye wash should be available in areas where this product is handled.

Eye Protection

Chemical goggles should be used when handling this product.

Skin Protection

Wear protective gloves. Where extensive exposure to the product is possible, use resistant coveralls, apron and boots to prevent contact.

Respiratory Protection

If airborne concentrations are above the permissible exposure limit, use NIOSH approved respirators.

Work Place Hygiene

Avoid contact with skin, eyes and clothing. After using this product workers should wash their hands and faces before eating, drinking or smoking. Clothes should be changed if contaminated with this product. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls

Use this product in areas of good ventilation.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless Liquid
Odor	Essentially odorless
Odor threshold	No data available
pH	> 13.0
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available

Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure/density	No data available
Density	1.0 – 1.1 gm/cm ³
Water solubility	Soluble in water
Partition coefficient	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Water like

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Will react strongly with acid products
Chemical stability	Product is stable under recommended storage conditions.
Possibility of Hazardous reactions	Will react strongly if mixed with acid products
Conditions to avoid	Heat and incompatibles
Incompatible Materials	Acids, metals, oxidizing chemicals.
Hazardous decomposition products	None known

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of exposure	Skin and eye contact, ingestion, inhalation
Acute toxicity	Oral - toxic if swallowed or mist inhaled.
Exposure Effects	
Skin	Exposure will cause severe skin burns.
Eyes	Will cause severe eye damage including blindness
Carcinogenicity	This product does not contain any ingredient designated by IRAC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.
Mutagenicity	Not classified
Specific Target Organ Toxicity	

Aspiration hazard Not classified
Not classified

Product and Ingredient Toxicity information

PRODUCT/INGREDIENT	ATE ORAL	LD 50 ORAL	LD50 DERMAL
Sodium Hydroxide	<1000 mg/kg	500 mg/kg	1350 mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

Precautions Keep away from drains and waterways

Ecotoxicity This product is corrosive and highly caustic. The high pH would be harmful to aquatic and terrestrial life.

Persistence and degradability No data available

Bioaccumulative Potential No data available

Mobility in Soil No data available

Other advert effects No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, provincial and federal regulations. Check with local municipal authority to ensure compliance.

Containers should be empty and thoroughly rinsed before disposal.

SECTION 14 – TRANSPORT INFORMATION

Canadian TDG UN Number 1824

Shipping Name Sodium Hydroxide Solution

Transport Hazard Classes 8 Corrosive,

Packing Group 11

Transport Document Description
Sodium Hydroxide Solution, UN 1824 Class 8 PG 11

SECTION 15 – REGULATORY INFORMATION

WHMIS 1988 Classification E Corrosive

This SDS prepared pursuant to Canadian WHMIS 2015 regulations (Controlled Products Regulations under the Hazardous Product Act).

Canadian Environmental Protection Act (CEPA) Information: All ingredients listed appear on Domestic Substances List (DSL)

SECTION 16 – OTHER INFORMATION

Prepared by Bebbington Industries

Date Preparation July 2023

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