

# BEBBINGTON INDUSTRIES SAFETY DATA SHEET

## 50 % CAUSTIC SODA SOLUTION

### SECTION 1 - IDENTIFICATION

**Product identifier used on the label:** CAUSTIC SODA 50 %

**Recommended use and restrictions on use:**

For professional use only.

**Manufacturer/Supplier**

Bebbington Industries  
44 Wright Avenue  
Dartmouth  
Nova Scotia  
Canada B3B 1G6

Telephone: 902 468 8180

Fax: 902 468 8559

24 Hour Emergency Telephone: CANUTEC 613 996 6666 OR 666 on cell phone

### SECTION 2 – HAZARD IDENTIFICATION

#### CLASSIFICATION

Skin corrosion/irritation                      Category 1A

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	45 - 50

**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

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

Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure/density	No data available
Density	1.25 – 1.5 gm/cm <sup>3</sup>
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**

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

#### **SECTION 11 – TOXICOLOGICAL INFORMATION**

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

Not classified  
Aspiration hazard 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

### **DISCLAIMER**

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