

PRODUCT SAFETY DATA SHEET
GHS COMPLIANT
Sodium Hydroxide Bead, Tech So

Section 1 – Product and Company Information

GHS Product Identification

Product Name: Sodium Hydroxide Bead, Tech So

Other Identification Information

CAS Number: 1310-73-2
Florida Chemical ID: 2BA001T000SB.050
Chemical Formula: NaOH
Synonyms: Caustic Soda Beads, Caustic Soda Pels

Recommended Use and Restrictions on Use

Description and Uses: Dry sodium hydroxide, used in chemical manufacture of cleaners, water treatment products.

Supplier Information

Company Name/Address: Florida Chemical Supply, Inc.
6810 East Chelsea Street
Tampa, FL 33610
Phone (Non-Emergency) 813.623.1274

Emergency Phone Number

24 Hour Emergency Phone:
United States/Canada/Mexico: 800.255.3924 (ChemTel)
International : +1.813.248.0585



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

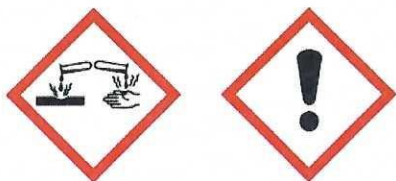
Section 2 – Hazard Information

Classification of the Substance or Mixture

Corrosive to Skin 1A
Eye Damage/Irritation 1
Specific Target Organ Toxicity - Single Exposure 3, Respiratory System

GHS Label Elements

GHS Pictogram:



Signal Word:

DANGER

Hazard Statements:

H335: May cause respiratory irritation
H314: Causes severe skin burns and eye damage

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection
P363: Wash contaminated clothing before reuse
P310: Immediately call a POISON CENTER or doctor if you feel unwell.
P321: Specific treatment see First Aid Instructions on product label
P301+330+331: 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 + P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. call a POISON CENTRE/doctor if you feel unwell



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P403+233: Store in a well ventilated place. Keep container tightly closed

P501: Dispose of contents/container to appropriate waste disposal plant

Other Hazards Not Resulting In Classification

HMIS:

Health	3
Flammability	0
Reactivity	0
Personal Protection	X

Special Medical Response: Product reacts exothermically with water. Burns on skin may be chemical and thermal in nature.

Section 3 – Hazardous Composition

Component	CAS #	Wt. %
Sodium Hydroxide	1310-73-2	100%

Section 4 – First Aid Information

Necessary First Aid Measures

Skin Exposure: For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing.

Eye Exposure: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

several seconds is essential to achieve maximum effectiveness. Get IMMEDIATE medical attention.

Inhalation Exposure: If inhaled, move to fresh air. If breathing has not returned to normal, give oxygen or artificial respiration needed, get medical attention immediately.

Ingestion: DO NOT induce vomiting. Rinse mouth out with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Most Important Symptoms Acute and Delayed

Acute Effects: **Eye Contact**-Causes serious eye damage. Direct contact with the eyes can cause irreversible damage, including blindness. Chemical and thermal burns Corrosion of skin, soft tissue, eye tissue and mucous membranes.

Inhalation-May cause corrosive burns - irreversible damage.

Skin contact- Causes severe burns.

Digestion-Severely corrosive to the digestive tract. Causes severe burns. May cause irreversible damage to mucous membranes.

Ingestion:

Delayed Effects: Aspiration is harmful and may be fatal.

Immediate Medical Attention or Special Treatment Requirements

NOTE TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 – Firefighting Precautions

Suitable Extinguishing Media:

Use media appropriate to surrounding fire and materials. Water spray, dry chemical, alcohol foam or carbon dioxide.

Specific Fire Hazards Arising from the Chemical:

Not considered a fire or explosion hazard.

Special Protective Measures for Firefighters



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

PPE for Firefighter: In the event of material discharge during fire, see Section 8. Otherwise, use fire protection equipment suitable to surrounding fire and materials.

Personal Precautions: See Section 8 for personal protection requirements. Proper PPE is required for all accidental release response. Ensure adequate ventilation

PPE Requirements: In the event of material discharge during fire, see Section 8. Otherwise, use fire protection equipment suitable to surrounding fire and materials.

Precautionary Measures: Keep non-emergency personnel away.

SECTION 6 – Accidental Release Measures

For Non-Emergency Personnel

All untrained, non-essential, and non-responding personnel should be evacuated from the immediate area of the spill without delay. If Personal Protective Equipment is necessary to achieve evacuation safely, see Section 8 for requirements.

For Emergency / Response Personnel

Protective Equipment: See Section 8 for personal protection requirements. Proper PPE is required for all accidental release response. Ensure adequate ventilation

Environmental Precautions: Do not allow product to discharge into waterways, public sewers, or other water sources.

Methods and Materials for Cleanup

Evacuate all personnel from affected area.
Small and Large Spills: Sweep up product, and place in appropriate container for disposal.
Ensure all personnel taking part in cleanup efforts are properly trained and outfitted in appropriate personal protective equipment as outlined in Section 8.

SECTION 7 – Handling and Storage

Precautions for Safe Handling



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

Do not get in eyes, on skin or on clothing.
Use in a well ventilated area with proper engineering controls.

Conditions for Safe Storage, Including Incompatibilities

- Storage:** Keep container tightly closed and properly labeled.
Store in a cool, dry place away from incompatible materials.
- Incompatible Materials:** Avoid contact with hypochlorites and oxidizers.
- Incompatible Conditions:** Extreme heat. Keep away from moisture. Product is hygroscopic and will draw water out of the surrounding air.

SECTION 8 – Exposure Controls and Personal Protection

Control Parameters

Exposure Limits: ACGIH, TLV: 2 mg/m³
OSHA, TLV: 2mg/m³

Appropriate Engineering Controls

Proper ventilation at all points of use, particularly in areas where natural ventilation is insufficient, and in enclosed or confined spaces. Safety shower and emergency eyewash should be located nearby and accessible to all points of product use, storage and handling.

Individual Protection Measures

- Gloves:** Chemical resistant rubber or neoprene. Gloves should be thermally resistant if this product is mixed with water, as high temperature exothermic reactions will occur.
- Respiratory:** Required if airborne concentrations exceed TLV. NIOSH approved full face respirators are recommended. Seek advice from a respiratory protection specialist.
- Eyes:** Safety glasses with side shields. Chemical splash goggles and face shield, minimum 8", if product handling includes mixing with water or other liquids.
- Other Protection:** Suitable protective clothing to prevent skin contact, and sufficient to withstand any other chemical that may be in use at the time.



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So

Industrial Hygiene:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

* Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.

* Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

* Wash exposed skin promptly to remove accidental splashes or contact with this material.

* Always thoroughly wash any contaminated clothing before reuse.

SECTION 9 – Physical Properties

Appearance:	White beads	UEL/LEL:	NA
Odor:	Odorless	Vapor Pressure:	18 mmHG
Odor Threshold:	NA	Vapor Density:	1.3 (Air = 1)
pH:	14.00 @ 50 g/l	Relative Density:	2.13
Melt/Freeze Point:	604 F	Solubility:	1,260 g/l
Boiling Point/Range:	2,534 F	Partition Coefficient	
Flash Point:	Not flammable	(n-octanol/water):	NA
Evaporation Rate:	White beads	Auto Ignition Temp:	NA
Flammability		Decomposition Temp:	NA
(solid/gas):	NA	Viscosity:	NA

SECTION 10 – Stability and Reactivity

Reactivity: Reacts with hypochlorites to form explosive compounds that are sensitive to pressure and temperature increases.

Stability: Stable under normal conditions.

Conditions to Avoid: Contact with incompatibles. Moisture.

Incompatible Materials: Strong oxidizing agents. Strong acids. Organic materials

Decomposition Products: Combustion may release oxides of carbon and various hydrocarbons

Hazardous Polymerization: Will not occur



SAFETY DATA SHEET
Sodium Hydroxide Bead, Tech So

SECTION 11 – Toxicological Information

Acute Toxicity:	Causes severe skin burns, severity dependant on the amount and duration of exposure. Eye contact causes severe eye burns, and severe damage. Damage may be irreversible. Inhalation of excessive amounts of mists and vapors will cause irritation to the throat and lungs. Swallowing this product will cause severe digestive tract burns. Harmful if swallowed.
Chronic:	No known chronic or delayed symptoms.
Eyes:	Causes eye irritation
Skin:	LD50, Rabbit: 2g/kg
Sensitization:	Exposure to asthmatic, atopic and sulfite sensitive individuals may result in severe bronchoconstriction and reduced levels in forced expiratory volume.
Mutagenicity:	No evidence for mutagenicity
Carcinogenicity:	There is no data available.
Reproductive Toxicity:	There is no data available
Target Organs:	Skin, eyes, soft tissues, mucous membranes
Aspiration Hazard:	Severe aspiratioin hazard. Aspiration of this product into the lungs may cause serious damage and death.

SECTION 12 – Ecological Toxicity

Sodium hydroxide Acute EC50 40.38 mg/l Fresh water Crustaceans - Ceriodaphnia dubia -
Neonate 48 hours
Acute LC50 125 ppm Fresh water Fish - Gambusia affinis - Adult 96 Hours.



SAFETY DATA SHEET

Sodium Hydroxide Bead, Tech So




SECTION 13 – Disposal Considerations

This product, and its rinsate, if classified as waste, are considered RCRA characteristic hazardous waste due to the corrosivity characteristic. Do not flush to sewers, storm drains, waterways, or any potential environmental water source. This product should be disposed of carefully in appropriate containers and using methods required by local, state and federal regulations. Containers should be disposed of as product. Where possible, larger containers such as drums or totes should be returned to the supplier for refill/reuse.

SECTION 14 – Transportation Information

UN Number: UN1823
Proper Shipping Name: Sodium Hydroxide, Solid
Packing Group: II
Hazard Class: 8
Subsidiary Hazards: NA

Required DOT Label/s: UN1823, Sodium hydroxide, solid 8 - Corrosive, PG II

Section 14. Transport information			
	DOT Classification	IMDG	IATA
UN number	UN1823	UN1823	UN1823
UN proper shipping name	Sodium hydroxide, solid	SODIUM HYDROXIDE, SOLID	Sodium hydroxide, solid
Transport hazard class(es)	8 	8 	8 
Packing group	II	II	II
Environmental hazards	No.	No.	No.



SAFETY DATA SHEET
Sodium Hydroxide Bead, Tech So

SECTION 15 – Regulatory Information

TSCA: This product and/or all of its components are listed on the Section 8(b) TSCA Inventory.

CERCLA: 1,000 lbs
**SARA 304 RQ-
SARA 311/312** Not Applicable
SKIN CORROSION - Category 1A
SERIOUS EYE DAMAGE - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3
HNOC - Corrosive to digestive tract [severe]

RCRA: NA
SARA Tier 2 Components: SODIUM HYDROXIDE,

State Right to Know Regulations:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 – Other Information

Date Prepared: 4/16/2015
Revision Date: 4/12/2021-Section 2, Section 14 IMO
Prepared By: Florida Chemical Regulatory Department
Approved By: Marc Maseman

Disclaimer: The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS publication.

