


# SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier <b>Sodium Hydroxide Beads</b>		[WHMIS Classification] Acute aquatic toxicity Class C	
Product Use <b>Model No. HM-816</b>			
Manufacturer's Name <b>Boyer Corp.</b>		Supplier's Name <b>Gilson Co. Inc.</b>	
Street Address <b>9600 W. Ogden Ave.</b>		Street Address <b>P.O. Box 200</b>	
City <b>LaGrange</b>	Province <b>Illinois</b>	City <b>Lewis Center</b>	Province <b>Ohio</b>
Postal Code <b>60525</b>	Emergency Telephone <b>1-800-535-5053</b>	Postal Code <b>43035-0200</b>	Emergency Telephone <b>1-800-444-1508</b>
Date MSDS Prepared <b>5-1-2015</b>	MSDS Prepared By <b>David Peterson</b>		Phone Number <b>1-708-352-2565</b>

## SECTION 2 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
[Emergency Overview]					
WHMIS Symbols  <b>Danger</b>					
Potential Health Effects <b>Causes severe skin burns and eye damage</b> <b>Harmful to aquatic life with PH change</b> <b>Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract. Severe exposure can damage organs</b>					

## SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
Sodium Hydroxide	99	1310-73-2	Rabbit,oral:500mg/kg	Not available

## SECTION 4 — FIRST AID MEASURES

<b>Skin Contact</b> In case of contact, immediately flush skin with plenty of water or milk if available. Never give anything by mouth to an unconscious person. Call a physician immediately.
<b>Eye Contact</b> Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
<b>Inhalation</b> Remove to fresh air. If not breathing, give artificial respiration.
<b>Ingestion</b> <b>DO NOT INDUCE VOMITING!</b> Give large quantities of water or milk. Call a physician immediately.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction Not considered to be a fire hazard. Hot or molten material can react violently with water.			
Flashpoint (° C) and Method Not applicable		Upper Flammable Limit (% by volume) Not applicable	Lower Flammable Limit (% by volume) Not applicable
Autoignition Temperature (°C) No Data available		Explosion Data — Sensitivity to Impact No	Explosion Data — Sensitivity to Static Discharge No
Hazardous Combustion Products None			
[NFPA] F-1 H-3 R-3 PP-J			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Ventilate area of leak or spill. Wear appropriate PPE. Isolate hazard area. Keep unnecessary and unprotected personnel from entering area.
Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. Follow all local, state, and federal laws with disposal. Report reportable quantites.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
Keep in a tightly closed container. Protect from physical damage. Always add caustic to water, never the reverse
Storage Requirements
Store in a cool, dry, ventilated area away from sources of heat and moisture.
Do not store with aluminum or magnesium.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input checked="" type="checkbox"/> ACGIH TLV 2mg./3mg. ceiling <input checked="" type="checkbox"/> OSHA PEL 2mg./3mg. ceiling <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) Local and / or general exhaust is recommended
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type NIOSH approved N-95 or better mask
Wear impervious protective clothing, gloves, lab coat as appropriate to prevent Skin contact
Use chemical safety goggles or full face shield. Maintain eye wash fountain and quick-drench in work area.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Product Identifier- 3 -

Physical State Solid pellets or flakes	Odor and Appearance White, odorless	Odor Threshold (ppm) Not determined
Specific Gravity 2.13	Vapor Density (air = 1) >1	Vapor Pressure (mmHg) Negligible
Evaporation Rate Not determined	Boiling Point (° C) 1390	Freezing Point (° C) Not determined
pH 13-14	Coefficient of Water/Oil Distribution No data available	[Solubility in Water] 111g/110g water

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Under normal conditions
Incompatibility with Other Substances  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Contact with acids and organic halogen compounds, especially trichloroethylene may cause violent reactions.

Contact with some metals can cause formation of flammable hydrogen gas.

Reactivity, and under what conditions? Stable under ordinary conditions. Very hygroscopic.

Hazardous Decomposition Products Sodium Oxide

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure: POISON! DANGER! CORROSIVE! MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES BURNS TO ANY AREA OF CONTACT. REACTS WITH WATER, ACIDS, AND OTHER MATERIALS.

Effects of chronic exposure: Prolonged contact with dilute solutions or dust has a destructive effect upon tissue.

Irritancy of Product: Severe irritant

Skin sensitization: Corrosive! Contact can cause irritation or burns	Respiratory sensitization: Severe irritant, harmful if inhaled
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Carcinogenicity-IARC None	Carcinogenicity - ACGIH No known
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Reproductive toxicity: No data available	Teratogenicity: No data available
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Embrototoxicity	Mutagenicity: Investigated as a mutagen for somatic cells
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Name of synergistic products/effects: None known

SECTION 12 — ECOLOGICAL INFORMATION


[Aquatic Toxicity] Harmful to aquatic life. Product may affect the acidity in water with risk of harmful effects to aquatic organisms.

Expected to readily biodegrade.

SECTION 13 — DISPOSAL CONSIDERATIONS

Special Shipping Information	
	PIN
TDG	[DOT]
[IMO]	[ICAO]

Waste Disposal
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SECTION 14 — TRANSPORT INFORMATION

UN Number: UN1823  
UN proper Shipping Name: Sodium Hydroxide, Solid  
Packing Group: II  
Hazard Class: 8  
Marine Pollutant: No  
Special Precautions for users: Warning: Corrosive Substances

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] Class E	[OSHA] YES
[SERA] SARA 302: No SARA 313: No	[TSCA] YES
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.	

SECTION 16 — OTHER INFORMATION

The information contained in this data sheet is based on the data available to Boyer at this time. While believed to be accurate, Boyer does not claim it to be all inclusive.
It is provided for the purpose of hazard communication and as a guide for the appropriate handling of the product by properly trained individuals.
No express or implied warranty of any kind is made with respect of the product.

To determine the applicability or effect of any law or regulation with respect to the product, you should consult with your legal advisor or the appropriate government agency.

We, Boyer, will not provide advice or be responsible for any injury or damage resulting from the use of the product described herein.