

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	<b>Sodium Hydroxide, 10%</b>
<b>SYNONYMS:</b>	Sodium hydroxide 10%, aqueous, Sodium hydroxide solution
<b>CATALOG CODES:</b>	VNA
<b>MANUFACTURER:</b>	Volu-Sol
<b>ADDRESS:</b>	5095 West 2100 South Salt Lake City, UT 84120
<b>EMERGENCY PHONE:</b>	(800) 535-5053
<b>OTHER CALLS:</b>	(801) 974-9474
<b>FAX:</b>	(801) 974-9553
<b>CHEMICAL FAMILY:</b>	-
<b>CHEMICAL FORMULA:</b>	-
<b>PREPARED BY:</b>	Volu-Sol
<b>RECOMMENDED USE:</b>	Laboratory chemicals
<b>RESTRICTIONS ON USE:</b>	Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

<b>EMERGENCY OVERVIEW:</b>		
<b>GHS Classification:</b>	Corrosive to metals Skin corrosion Serious eye damage	(Category 1) (Category 1B) (Category 1)
<b>GHS LABEL ELEMENTS:</b>		
<b>Pictogram:</b>		
<b>Signal Word:</b>	Danger	
<b>Hazard Statement(s):</b>	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage H318 Causes serious eye damage	
<b>Precautionary Statement(s):</b>	P234 Keep only in original container P264 Wash skin thoroughly after handling P280 Wear protective gloves/ eye protection/ face protection P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340+P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor P363 Wash contaminated clothing before reuse P390 Absorb spillage to prevent material damage P405 Store locked up P406 Store in corrosive resistant container with a resistant inner liner P501 Dispose of contents/container to an approved waste disposal plant	
<b>OTHER HAZARDS:</b>	-	
<b>HMIS Classification:</b>		
<b>Health hazard:</b>	3	
<b>Chronic health hazard:</b>	-	
<b>Flammability:</b>	0	
<b>Physical hazards:</b>	1	
<b>NFPA Rating:</b>		
<b>Health hazard:</b>	3	
<b>Fire:</b>	0	
<b>Reactivity Hazard:</b>	0	

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.

Sodium hydroxide (10%)	1310-73-2 215-185-5 011-002-00-6
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## SECTION 4: FIRST AID MEASURES

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

**INGESTION:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**SKIN:** Wash off with soap and plenty of water. Consult a physician

**EYE:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR:** **Percentage by Volume**  
Upper: %  
Lower: %

**FLASH POINT:** -

**AUTOIGNITION TEMPERATURE:**

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

**FIRE AND EXPLOSION HAZARDS:** Use water spray to cool unopened containers

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let product enter drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**INCOMPATIBILITIES:** acids, Organic materials, Chlorinated solvents, Aluminum, Phosphorus, Tin/tin oxides, Zinc

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	OSHA		ACGIH	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium hydroxide	1310-73-2		2.00 PEL		2 TLV

**VENTILATION SYSTEM:** Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

**PERSONAL RESPIRATORS:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**EYE PROTECTION:** Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** liquid  
**ODOR:** -  
**SOLUBILITY:** -  
**pH:** 14  
**BOILING POINT:** -  
**MELTING POINT:** -  
**VAPOR PRESSURE:** -  
**DENSITY:** -  
**VISCOSITY:** -  
**REFRACTIVE INDEX:** -

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** No data available

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Hazardous decomposition products formed under fire conditions. - Sodium oxides. Other decomposition products - No data available. Hazardous decomposition products formed under fire conditions. - Sodium oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:**

**Acute Toxicity:** No data available

**Skin/Eye Irritation:** No data available

**Carcinogenicity:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Mobility in soil:** No data available

**PBT/vPvB Results:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as unused product

**SECTION 14: TRANSPORT INFORMATION**

US DOT	IATA	IMDG/IMO
Shipping Name: Sodium hydroxide solution	Shipping Name: Sodium hydroxide solution	Shipping Name: Sodium hydroxide solution
Hazard Class: 8	Hazard Class: 8	Hazard Class: 8
UN Number: 1824	UN Number: 1824	UN Number: 1824
Packing Group: II	Packing Group: II	Packing Group: II

**SECTION 15: REGULATORY INFORMATION**

<b>SARA 302</b>	-
<b>SARA 313</b>	-
<b>SARA 311/312 Hazards</b>	-
<b>State</b>	Right to know lists: MA: 1310-73-2 PA: 7732-18-5, 1310-73-2 NJ: 7732-18-5, 1310-73-2 California Prop. 65 Components:

**SECTION 16: OTHER INFORMATION**

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