IMPORTANT
MATERIAL SAFETY DATA SHEET

EAD CAREFULLY BEFORE USING CHEMICAL
SHA requires that this form be kept on file.

roduct No. SA 9746 M

roduct Name SODIUM HYDROXIDE, 0.1N SOLUTION

Health Hazard	2
Flammability	0
Reactivity	1

SECTION I	NAME
Chemical Synonyms	Caustic Soda Solution
Formula	NaOH in H_2O
C.A.S. No.	See Section II

SECTION II — HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	P.E.L.	TLV Units
Sodium Hydroxide C.A.S. #1310-73-2	<4	2 mg/m³	2 mg/m³

* chemical subject to the reporting requirements of SARA Title III.

SECTION III — PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H_2O=1)	N/A
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	>95%
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (..... =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Colorless, odorless liquid.		

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A	Flammable Limits in Air % by Volume	Lower	Upper
			N/A	N/A
Extinguisher Media	Use extinguishing media appropriate for surrounding fire.			

Special Firefighting Procedures

Flood with water, do not splatter or splash this material.

Unusual Fire and Explosion Hazards

Reacts with most metals to produce hydrogen gas, which can form an explosive mixture with air.

DEC 28 1995

D.O.T.	Sodium hydroxide, solution, 8, UN1824, PGII

proved by U.S. Department of Labor "essentially similar" to form OSHA-20

See Section II

10102

Effects of Overexposure

Inhalation: Inhalation of vapors may cause severe irritation or burns of the respiratory system, pulmonary edema, or lung inflammation. Liquid may cause burns to skin and eyes. Liquid may cause permanent eye damage. **Ingestion:** Ingestion may cause severe burning to mouth and stomach. Ingestion may cause nausea and vomiting.

Emergency and First Aid Procedures

Call a physician. If **swallowed**, do not induce vomiting; if conscious, give large amounts of water. Follow with diluted vinegar, fruit juice or whites of eggs, beaten with water. If **inhaled**, remove to fresh air. If not breathing , give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush **eyes** with plenty of water for at least 15 minutes.

SECTION VI — REACTIVITY DATA

Stability: Stable ☒ Unstable ☐	Conditions to Avoid: N/A
Incompatibility (Materials to Avoid)	Strong acids, organic materials, most common metals, zinc, aluminum, magnesium, halogenated hydrocarbons.
Hazardous Decomposition Products	N/A
Hazardous Polymerization: May Occur ☐ Will Not Occur ☒	Conditions to Avoid: N/A

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to be Taken In Case Material Is Released or Spilled

Stop leak if can be done without risk. Ventilate area. Carefully neutralize spill with dilute HCl. Flush area with flooding amounts of water. (Use caution.)

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities o

Dispose in accordance with all applicable federal, state and local environmental regulation

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	NIOSH approved respirator if TLV exceeded.			
Ventilation	Local Exhaust	X	Special	.....
	Mechanical (General)	.....	Other	.....
Protective Gloves	Rubber gloves	Eye Protection	Safety goggles/faceshield	
Other Protective Equipment	Lab coat, protective clothing.			

SECTION IX — SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in corrosion-proof area. Isolate from incompatible materials. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

N/A

Approved by	Steven C. Quandt	Effective Date	10/20/95	For laboratory use only. Not for drug, food household use. Keep out of reach of child

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must