

# MATERIAL SAFETY DATA SHEET

## Sodium Hydroxide (N/10) 0.1 Normal Solution

### SECTION 1 . Product and Company Identification

Product Name and Sodium Hydroxide (N/10) 0.1 Normal Solution  
Product Code: 260-00  
Material Uses: OFI Testing Equipment Inc. Health: 1  
Flammability: 0  
Manufacturer: 11302 Steeplecrest Dr. Reactivity: 0  
Houston, TX 77065  
(877) 837-8683

Hazard Rating:  
Least Slight Moderate High  
Extreme  
0 1 2 3 4

NA=Not Applicable NE=Not  
Established

Entry Date : 7/18/2013  
Print Date: 7/18/2013  
24 Hour Emergency Assistance : INFOTRAC USA - CANADA: 1-800-535-5053  
INTERNATIONAL: 1-352-323-3500

### SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:Harmful If Swallowed Or Inhaled. May Cause Burns To Any Area Of Contact. Reacts With Water, Acids And Other Materials.  
Inhalation:Mists May Irritate Respiratory Tract.  
Ingestion:Swallowing may Cause Burns of the Mouth, Throat and Stomach.  
Skin:May Cause Irritation to Skin  
Eye Contact:May Cause Irritation to Eyes, and with Greater Exposures, Severe Buns with Possibly Blindness  
Chronic Exposure:Persons with Pre-Existing Skin Disorders may be Susceptible to these Solutions.  
Aggravated by Exposure:Persons with Pre-existing Skin Disorders or Eye Problems or Impaired Respiratory Function May be More Susceptible to the Effects of the Substance.

### SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
	Sodium Hydroxide	CAS# 1310-73-2	0.40%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

### SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

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INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
None

Fire / Explosion Hazards:

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak acid.

Ventilate area of Leak or Spill. Keep Unnecessary and Unprotected People away from the area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 7. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth). Do Not use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation  
Local  
Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	32deg F (0deg C)	Percent Volatile by	>99
Boiling Point:	~212°F (100 deg C)	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable

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Solubility in Water:	Completely Miscible with water	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear, colorless, odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not flammable		
Specific Gravity:	Appx 1.03 to 1.05		

### SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	Strong oxidizing agents, metals, acids.
Hazardous Decomposition	None
Products:	
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

### SECTION 11

#### Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

### SECTION 12

#### Ecological Information

Environmental Fate: No Information Found.

### SECTION 13

#### Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine

specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal

regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### SECTION 14

#### Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

### SECTION 15

#### Regulatory Information

Chemical Inventory Status –  
Part 1:Ingredient  
Sodium Hydroxide (1310-73-2)  
TSCA Yes  
EC Yes  
Japan YES  
Australia Yes

Chemical Inventory Status –  
Part 2:Ingredient  
Sodium Hydroxide (1310-73-2)  
Korea Yes  
DSL Yes  
NDSL No

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Federal, State & International Regulations –  
Part 1: Ingredient.

Sodium Hydroxide (1310-73-2)  
RQ No  
TPQ No  
List NO  
Chemical Catg No

Federal, State &  
International Regulations –  
Part 2:Ingredient  
Sodium Hydroxide (1310-73-2)  
CERCLA 1000  
261.33 No  
8(d) No

Chemical Weapons Convention: No  
TSCA 12 (b):No  
CDTA:No PURE/LIQUID  
SARA 311/312: Acute:YES  
Chronic: No  
Fire: No  
Pressure: No  
Reactivity: No  
Australian Hazchem Code: 2R  
Poison Schedule:S5

**SECTION 5 FIRE FIGHTING MEASURES**

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## SECTION 16

### Additional Information

Overexposure symptoms: Corrosive effects. Acute-Irritation and burns to skin, eyes, lungs, mucous membranes, and GI tract. Chronic-Dermatitis. Conditions aggravated/Target organs: Persons with preexisting skin or eye disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions	NFPA	
7/30/2010	0.1	updated msds to 16 section from 10 section msds. STN
	0	

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