

# MATERIAL SAFETY DATA SHEET

Sodium Hydroxide 6 Normal Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Sodium Hydroxide 6 Normal Solution  
Product Code: 260-06-1  
Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886  
Entry Date : 3/4/2009  
Print Date: 7/31/2010  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	24%	W/V	OSHA PEL 2 mg/m <sup>3</sup> ACGIH 2mg/m <sup>3</sup>
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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

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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

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.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None

Fire Fighting Procedure: Use water spray to cool fire exposed containers.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate area of spill or leak. Wear appropriate PPE. Residues from spills can be diluted with water, neutralized with dilute acid such as Hydrochloric Absorb with inert material, then place in a chemical waste container.

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

Keep in a tightly closed container. Protect from physical damage. Store in a cool dry ventilated area away from sources of heat, moisture and incompatibilities. Wash thoroughly after handling.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Goggles and Face Shield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 24° F	Percent Volatile by Volume:	~ 76%
Boiling Point:	~ 230° F (110° C)	Evaporation Rate	Information not available

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Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not applicable		
Specific Gravity:	~ 1.22		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Acids, flammable liquids, organic halogens, metals, nitrocompounds
Hazardous Decomposition Products:	Contact with water produces corrosive fumes.
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: Sodium Hydroxide Solution, 8, UN1824, PGII

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

**Sodium Hydroxide 6 Normal Solution**

DSL Yes  
 NDSL No  
 Phil. Yes

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

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

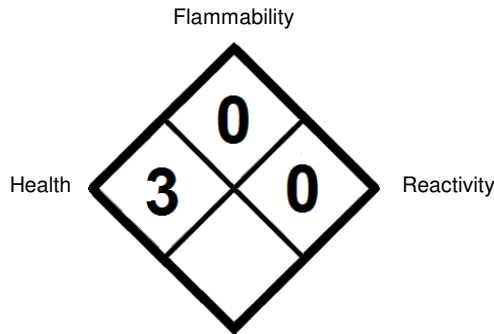
Federal, State &  
 International Regulations –  
 Part 2:Ingredient

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 16 Additional Information**

Danger! Poison! Corrosive! May be fatal if swallowed. Harmful if inhaled. Causes burns to any area of contact. Reacts with water, acids and other materials. Swallowing may result to burns to mouth, throat and stomach. Conditions aggravated/target organs: Corrosive! Persons with preexisting skin, eye or respiratory disorders may be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract and digestive tract, pneumonitis, eye damage, edema, asphyxia. Chronic: Dermatitis, bronchial irritation / pneumonia, eye damage.



**Revisions**

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

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