

MATERIAL SAFETY DATA SHEET

Sodium Hydroxide 6 Normal Solution

SECTION 1 . Product and Company Identification

Product Name and Sodium Hydroxide 6 Normal Solution

Product Code: 260-06

Material Uses: OFI Testing Equipment Inc. Health: 3
Flammability: 0

Manufacturer: 11302 Steeplecrest Dr. Reactivity: 0

Houston, TX 77065

(877) 837-8683

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

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
	Sodium Hydroxide	CAS# 1310-73-2	24%	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

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.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.

Sodium Hydroxide 6 Normal Solution

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
None

Fire / Explosion Hazards:

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 Acid, then place in a chemical waste with inert material, then place in a chemical waste

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
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	~76%
Boiling Point:	~230° F (110° C)	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	

Sodium Hydroxide 6 Normal Solution

	container.		
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: UN1824, Sodium Hydroxide Solution, 8, PG II

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
Phil. Yes

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

Sodium Hydroxide 6 Normal Solution

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

Flammability

Health

Reactivity

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

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material