Material Safety Data Sheet

Sodium Hydroxide 8 Normal Solution (RXSOL-60-6280-200)

1. Product and Company Identifaction

Product Name	Sodium Hydroxide 8 Normal Solution
Product Type	RXSOL-60-6280-500

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Pont : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah

Phone	+91 22 27815541 / 42
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2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Sodium Hydroxide	CAS# 1310-73-2	24%	W/V	OSHA PEL 2mg/mƒ ACGIH 2mg/mƒ
Water, Deionized ASTM Type II	CAS# 7732-18-5	76%	V/V	None Established

3. Hazards 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

4. First Aid Measures

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

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.
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.

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

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

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.

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.

8. Exposure controls and personal protection

Respiratory Protection	NIOSH/MSHA-approved respirator
Ventilation	Local
OTHER	Mechanical
Protective Gloves	NIOSH Approved Gloves
EYE PROTECTION	Goggles and Face Shield
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	~230° F (110°C)
VAPOR PRESSURE	not available
MELTING POINT	~24° F

VAPOR DENSITY	not available
EVAPORATION RATE	information not available
Appearance /Odors	Clear odorless liquid
Flash Point	Not applicable
Specific Gravity	~1.22
Percent Volatile by Evaporation Standard	~76%
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

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

11. Toxicological information

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

12. Ecological information

Environmental Fate: No Information Found..

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.

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

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
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

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

16. Other 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

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