Material Safety Data Sheet

Sodium Hydroxide (RXSOL-19-1634-025)

1. Product and Company Identifaction

Product Name	Sodium Hydroxide Food Grade
Part Number	RXSOL-19-1634-025

Company Details:
RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	EC Number	Molecular Formula	Molar Mass
Sodium Hydroxide	7697-37-2	215-185-5	NaOH	33.997 g/mol

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H314 Causes severe skin burns and eye damage. H402 Harmful to aquatic life.
Precautionary statements - prevention	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician.
Potential Health Effects	Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Skin: May be harmful if absorbed through skin. Causes skin burns. Eyes: Causes eye burns. Causes severe eye burns. Ingestion: May be harmful if swallowed.

4. First Aid Measures

General Note	Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Ingestion:	Do not induce vomiting. Call a physician or Poison Control Center immediately

5. Fire-fighting Measures

Flammability	Non-flammable.
Flash Point	Not applicable.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions. - Sodium oxides
Protective Equipment	Wear self contained breathing apparatus for fire fighting if necessary.
Advice for firefighters	Thermal decomposition can lead to release of irritating gases and vapors. Water reactive. Corrosive Material. Causes severe burns by all exposure routes.As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Small Spillage	Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.
Personal Protection	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Enviromental Precaution	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	Use only under a chemical fume hood. Wear personal protective equipment. Avoid dust formation. Do not breathe dust. Do not get in eyes, on skin, or on clothing.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic. Deliquescent.
Advice on general occupational hygiene	Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, metals, acids, alkalis, moisture

8. Exposure controls and personal protection

Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Exposure Limits:	STEL: 2 (mg/m3) from ACGIH (TLV) [United States] TWA: 2 CEIL: 2 (mg/m3) from OSHA (PEL) [United States] CEIL: 2 (mg/ m3) from NIOSHConsult local authorities for acceptable exposure limits.
Other Protection Measure	Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Gloves



Suit

9. Physical and chemical properties

Form	Solid
Colour	White
Odour	Odourless
Odor Threshold	No information available
pH	14 (5% Solution)
Boiling Point	1388°C (2530.4°F)
Melting Point	323°C (613.4°F)
Critical Temperature	Not Available
Explosive limits	Not Determine
Vapour pressure	Not Applicable
Vapour Density	Not DAvailable
Specific Gravity	2.13
Solubility	Soluble in Water
Ioncity in Water	Not Available
Explosive properties	None
Water/Oil Dist. Coeff.	Not available.

10. Stability and reactivity

Recativity	None known, based on information available
Stability	Product is stable. Water reactive. Hygroscopic.
Conditions to avoid	Avoid dust formation. Incompatible products. Excess heat. Exposure to moist air or water.
Incompatible materials	Water, Metals, Acids
Hazardous combustion products	Carbon monoxide (CO), Carbon dioxide (CO2), Sodium oxides
Hazardous Polymerization	Hazardous polymerization does not occur. Hazardous Reactions None under normal processing.

11. Toxicological information

Acute toxicity	Oral LD50 : no data available Inhalation LC50 : no data available Dermal LD50 :no data available
Skin corrosion/irritation	No Data Available
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No Information Available
Specific target organ toxicity (STOT)	Extremely hazardous in case of inhalation (lung corrosive). Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (corrosive), of ingestion, .
Aspiration hazard	No information available
Other information	Corrosive to the respiratory tract

12. Ecological information

Ecotoxicity	Do not empty into drains.
Process of degradability	Causes severe skin burns and eye damage.
Bioaccumulative potential	No Data Available
Mobility in soil	No Information available
Results of PBT and vPvB assessment	No Information available
Other adverse effects	No Information available

13. Disposal considerations

Waste Disposal Method	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification
Sewage disposal-relevant information	Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

14. Transport information

DOT

UN Number	1823
Proper shipping name	Sodium Hydroxide
Particulars in the transport document	Sodium Hydroxide Solid
Class	8
Packing group	II

International Maritime Dangerous Goods Code (IMDG)

UN Number	1823
Proper shipping name	Sodium Hydroxide
Particulars in the transport document	Sodium Hydroxide Solid
Class	8
Packing group	II

International Civil Aviation Organization (ICAO-IATA/DGR)

UN Number	1823
Proper shipping name	Sodium Hydroxide
Particulars in the transport document	Sodium Hydroxide Solid
Class	8
Packing group	II

15. Regulatory information

USA Fedral and State Regulation	Illinois toxic substances disclosure to employee act: Sodium hydroxide Illinois chemical safety act: Sodium hydroxide New York release reporting list: Sodium hydroxide Rhode Island RTK hazardous substances: Sodium hydroxide Pennsylvania RTK: Sodium hydroxide Minnesota: Sodium hydroxide Massachusetts RTK: Sodium hydroxide New Jersey: Sodium hydroxide Louisiana spill reporting: Sodium hydroxide California Director's List of Hazardous Substances: Sodium hydroxide TSCA 8(b)
Other Regulation	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance.

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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