Material Safety Data Sheet

Sodium Molybdate (RXSOL-44-6164-025)

1. Product and Company Identifaction

Product Name	Sodium Molybdate
Part Number	RXSOL-44-6164-025

Company Details:

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

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2. Composition / informationon ingredients

Composition

Name	CAS #	% by Weight
Sodium molybdate	10102-40-6	98-100

Toxicological Data on Ingredients : Sodium molybdate LD50: Not available. LC50: Not available.

3. Hazards Identification

Potential Acute Health Effects : Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Potential Chronic Health Effects:

Carcinogenic Effects	:	Not available.
Mutagenuc Effects	:	Not available.
Teratogenic Effects	:	Not available.
Developmental Toxicity	:	Not available.

Repeated or prolonged exposure is not known to aggravate medical condition..

4. First Aid Measures

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact : Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation : Not available.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion : Not available.

5. Fire-fighting Measures

Flammability of the Product	:	Non-flammable.
Auto-Ignition Temperature	:	Not applicable.
Flash Points	:	Not applicable.
Flammable Limits	:	Not applicable.
Products of Combustion	:	Not available.
Fire Hazards in Presence of Various Substances	:	Not applicable
Risks of explosion of the product in presence of mechanical impact	:	Not available.
Risks of explosion of the product in presence of static discharge	:	Not available.
Fire Fighting Media and Instructions	:	Not applicable.
Special Remarks on Fire Hazards	:	Not available.
Special Remarks on Explosion Hazards	:	Not available.

6. Accidental Release Measures

Small Spill : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

Precautions : Do not breathe dust. Wear suitable protective clothing. 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.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

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. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. 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.

Exposure Limits : TWA: 5 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable. TWA: 5 (mg/m3) from OSHA (PEL) [United States]
Inhalation Respirable. TWA: 15 (mg/m3) from OSHA (PEL) [United States] Inhalation Total.Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physical state and appearance	:	Powder
Odor	:	Not available.
Taste	:	Not available.
Molecular Weight	:	205.92 g/mole
Color	:	White

pH (1% soln/water)	:	Not available.
Boiling Point	:	Decomposes.
Melting Point	:	687°C (1268.6°F)
Critical Temperature	:	Not available.
Specific Gravity	:	3.28 (Water = 1)
Vapor Pressure	:	Not applicable.
Vapor Density	:	Not available.
Volatility	:	Not available.
Odor Threshold	:	Not available.
Water/Oil Dist. Coeff.		Not avialable
Ionicity (in Water)	:	Not available.
Dispersion Properties	:	Not available.
Solubility	:	Not available.

10. Stability and reactivity

Stability	:	The product is stable.
Instability Temperature	:	Not available.
Conditions of Instability	:	Incompatible materials
Incompatibility with various substances	:	Reactive with oxidizing agents.
Corrosivity	:	Non-corrosive in presence of glass.
Special Remarks on Reactivity	:	Not available.
Special Remarks on Corrosivity	:	Not available.
Polymerization	:	Will not occur.

11. Toxicological information

Routes of Entry	:	Inhalation. Ingestion.
LD50	:	Not available.
LC50	:	Not available.
Chronic Effects on Humans	:	Not available.
Other Toxic Effects on Humans	:	Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).
Special Remarks on Toxicity to Animals	:	Not available.
Special Remarks on Chronic Effects on Humans	:	May cause adverse reproductive effects and birth defects based on animal data. No human data found.
Skin	:	May cause skin irritation.
Eyes	:	May cause eye irritation.

Inhalation	:	May cause respiratory tract irritation.
Ingestion	:	May cause gastrointestinal tract irritation with nausea, vomiting and diarrhea. May affect behavior (somnolence, coma).

Chronic Potential Health Effects:

Ingestion : Prolonged or repeated ingestion may affect the blood (normocytic anemia, changes in serum composition), metabolism, teeth (changes in teeth and supporting structures, and urinary system. The toxicological properties of this substance have not been fully investigated.

12. Ecological information

Ecotoxicity	:	Not available.
BOD5 and COD	:	Not available.
Products of Biodegradation	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	:	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	:	Not available.

13. Disposal considerations

Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification	:	Not a DOT controlled material (United States).
Identification	:	Not applicable.
Special Provisions for Transport	:	Not applicable.

15. Regulatory information

Federal and State Regulations	:	No products were found.
Other Regulations	:	Not available.
WHMIS (Canada)	:	Not controlled under WHMIS (Canada).
HMIS (U.S.A.)	:	Health Hazard : 2, Fire Hazard : 0, Reactivity : 0 Personal Protection : E
National Fire Protection Association (U.S.A.)	:	Health : 2, Flammability : 0, Reactivity : 0, Specific hazard :
Protective Equipment	:	Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

DSCL (EEC):

R36/37/38	:	Irritating to eyes, respiratory system and skin.
S28	:	After contact with skin, wash immediately with plenty of water.
S37	:	Wear suitable gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

References	:	Not available
Other Special Considerations	:	Not available

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