

1. Product and Company Identification

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Product Name Sodium Molybdate (VI) Dihydrate
Part Number RXSOL-60-6299-500

Company Details:

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2. Composition / Information on ingredients

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Composition

Name	CAS #	% by Weight
Sodium molybdate (VI) dihydrate	10102-40-6	100

Toxicological Data on Ingredients : Sodium molybdate (VI) dihydrate LD50: Not available. LC50: Not available.

3. Hazards Identification

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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.
Mutagenic 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

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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

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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

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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

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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

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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

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Physical state and appearance	:	Solid.
Odor	:	Not available.
Taste	:	Not available.

Molecular Weight	:	241.95 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 available.
Ionicity (in Water)	:	Not available.
Dispersion Properties	:	Not available.
Solubility	:	Not available.

10. Stability and reactivity

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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

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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 inhalation (lung irritation).
Special Remarks on Toxicity to Animals	:	Not available.
Special Remarks on Chronic Effects on Humans	:	May cause adverse effects. No human animal data. No human data.
Skin	:	May cause skin irritation.
Eyes	:	May cause eye irritation.
Inhalation	:	May cause respiratory irritation.
Ingestion	:	May cause gastrointestinal distress, diarrhea. May affect the nervous system.

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

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Ecotoxicity	:	Not available.
BOD5 and COD	:	Not available.
Products of Biodegradation	:	Possibly hazardous. However, long term effects are not known.
Toxicity of the Products of Biodegradation	:	The product itself is not toxic.
Special Remarks on the Products of Biodegradation	:	Not available.

13. Disposal considerations

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

14. Transport information

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

15. Regulatory information

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Federal and State Regulations	:	No products were found.
Other Regulations	:	Not available.
WHMIS (Canada)	:	Not controlled under WHMIS.
HMIS (U.S.A.)	:	Health Hazard : 2, Fire Hazard : 2, Reactivity : 0, Personal Protection : Eye Protection.
National Fire Protection Association (U.S.A.)	:	Health : 2, Flammability : 2, Instability : 0, Reactivity : 0, Special Hazard : None.
Protective Equipment	:	Gloves. Lab coat. Dust mask. Approved/certified respiratory protection.

DSCL (EEC):

R36/37/38	:	Irritating to eyes, respiratory system and skin.
S28	:	After contact with skin, wash with plenty of water.
S37	:	Wear suitable protective clothing. If on skin, wash with plenty of water. If on clothing, remove clothing and seek medical attention.

16. Other information

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References	:	Not available
Other Special Considerations	:	Not available
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