



rainshadowlabs

Safety Data Sheet

Section 1: Chemical Product and Company Identification		
Product Name: Methylsulfonylmethane (MSM)	Product Use: Personal Care Formulations	
Company Name: RainShadow Labs	Company Address: 300 Port Ave, St. Helens, OR 97051, USA	
Non-Emergency Telephone Number: (503) 366-3413	Emergency Telephone Number: Chemtrec - (800) 262-8200	
Section 2: Composition/Ingredient Information		
Name	CAS#	% by Weight
Methylsulfonylmethane (MSM)	67-71-0	100
Toxicological Data on Ingredients: Not applicable.		
Section 3: Hazards Identification		
Route of Entry: Eye contact. Skin contact. Inhalation. Ingestion. Eye Contact: Dust may cause irritation to eyes. Symptoms include stinging, tearing, redness, and swelling of eyes. Skin Contact: May cause skin irritation. Symptoms may include redness, burning, and swelling of skin. Ingestion: Ingestion of large amounts may be harmful. Inhalation: Dust may irritate the respiratory tract. Avoid inhalation. Medical Conditions Affected by: No additional remark. Exposure: Signs of Over Exposure: No additional remark.		
Section 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 if irritation occurs. Skin Contact: Wash affected area immediately with large amounts of soap and water. If irritation develops or persists, 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. 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. Notes to Physician: No additional remark.		
Section 5: Fire and Explosion Data		
Flammability of the Product: Not available. Auto-Ignition Temperature: Not available. Flash Points: Not available. Flammable Limits: Not available. Fire Hazards in Presence of Various Substances: Not available. Explosion Hazards in Presence of Various Substances: 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: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Special Remarks on Fire Hazards: Not available. Explosion Hazards: Not available.		

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Section 6: Accidental Release Measures
<p>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.</p> <p>Large Spill: Use a shovel to put the material into a convenient waste disposal container. Thoroughly sweep area of spill to clean up any residual material.</p>
Section 7: Handling and Storage
<p>Handling Procedures: Containers of this material may be hazardous when emptied. Promptly remove soiled clothing and wash before reuse.</p> <p>Storage Needs: Keep container tightly closed. Keep container in a cool, well-ventilated area.</p>
Section 8: Exposure Controls/Personal Protection
<p>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.</p> <p>Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.</p> <p>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.</p> <p>Exposure Limits: Not available.</p>
Section 9: Physical and Chemical Properties
<p>Physical State: White Crystalline Powder.</p> <p>Odor: Not applicable.</p> <p>Taste: Not applicable.</p> <p>Vapor Density (Air=1): Not applicable.</p> <p>Vapor Pressure (mm Hg): 0.030 mmHg / 25°C.</p> <p>Evaporation Rate: Not applicable.</p> <p>Boiling Point (°C): 460°F, 238°C.</p> <p>Melting Point (°C): Not applicable</p> <p>Specific Gravity: 1.45 (Water = 1)</p> <p>pH: Not available.</p> <p>Solubility in Water (% W/W): 30% / 25°C.</p> <p>Distribution Freezing Point (°C): Not applicable.</p>
Section 10: Stability and Reactivity Data
<p>Stability: Excellent thermal and chemical stability characteristics.</p> <p>Flash Point: 290°F.</p> <p>Incompatibility: Perchloric acid, perchlorates.</p> <p>Hazardous Decomposition or Byproducts: Sulfur oxides, e.g. SO₂.</p> <p>Corrosivity: Non-corrosive in presence of glass.</p> <p>Special Remarks on Reactivity: Not available.</p> <p>Special Remarks on Corrosivity: Not available.</p> <p>Hazardous Polymerization: Will not occur.</p>
Section 11: Toxicological Information
<p>Toxic Effects on Animals: The oral LD₅₀ for rats is 17,000 mg/kg. LC₅₀: Not available.</p> <p>Toxic Effects on Humans: No adverse health effects identified.</p> <p>Products of Biodegradation: Not available.</p> <p>Special Remarks on the Products of Biodegradation: Not available.</p>
Section 12: Ecological Information
<p>Ecotoxicity Data: No data.</p> <p>BOD₅ and COD: Not available.</p> <p>Products of Degradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</p> <p>Biodegradability: Our database contains no additional remark on the biodegradation of this product.</p>
Section 13: Disposal Considerations
<p>Waste Disposal: Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.</p>

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Section 14: Transport Information

TDG (Canada): Not Regulated.

DOT (U.S.): Not Regulated.

IMDG: Not Regulated.

ICAO/IATA: Not Regulated.

Section 15: Other Regulatory Information

WHMIS (Canada): Not controlled under WHMIS (Canada).

Other Regulations: Not available.

Other Classifications:

DSCL (EEC):

This product is not classified according to the EU regulations.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: A

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

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

Section 16: Other Information

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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