

## MATERIAL SAFETY DATA SHEET

# EPSOM SALT

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** EPSOM SALT  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 1/1/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**  
Magnesium Sulfate, heptahydrate, 100%  
Epsom salt  
**Hazardous Components:** None  
**CAS #:** 10034-99-8

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** White or transparent crystalline odorless powder. Non combustible. At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated. Cause mild eye irritation.

**Routes of Entry**

**Eye Contact:** Causes mild irritation to the eyes.  
**Skin Contact:** No known adverse effects.  
**Ingestion:** Causes nausea, vomiting, abdominal cramps, and diarrhea.  
**Inhalation:** Causes nausea, vomiting, abdominal cramps, and diarrhea.  
**Chronic Hazards:** No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.  
**Physical Hazards:** Spilled material can be slippery.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of cold water for 15 minutes and seek medical attention if irritation persists.  
**Skin:** Flush with cold water  
**Ingestion:** If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Medical Conditions Generally** None

**Aggravated by Exposure:**

**5. FIRE FIGHTING MEASURES**

<b>Flammable Limits:</b>	Non-combustible
<b>Extinguishing Media:</b>	This material is compatible with all extinguishing media.
<b>Special Firefighting Procedures:</b>	See Section 3 for information on hazards when this material is in the area of a fire.
<b>Protection of Firefighters:</b>	Fire fighters should wear chemical goggles, proper equipment and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

<b>Personal Precautions:</b>	Wear chemical goggles
<b>Environmental Precautions:</b>	Sinks and mixes with water. No adverse effects known. Not a listed toxic chemical under SARA Title III, 313 40 CFR Part 372. Not a CERCLA Hazardous Substance under 40 CFR Part 302.
<b>Methods for Cleaning Up:</b>	Sweep, scoop or vacuum spilled material. Flush residue with water. Observe environmental regulations.

**7. HANDLING AND STORAGE**

<b>Handling</b>	
<b>Safe Handling:</b>	Avoid breathing dust. Promptly clean up spills.
<b>Storage</b>	
<b>Requirements for Storage Areas and Containers:</b>	Keep containers closed. Protect from extremes of temperature and humidity during storage. Recommended storage conditions 68-110F and 54-87% humidity.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>Eye:</b>	Chemical goggles
<b>Skin/Body:</b>	Gloves & Aprons should be worn.
<b>Respiratory:</b>	Use adequate ventilation and NIOSH-approved respiratory devices where dust occurs. Observe OSHA regulations for respirator use (29 CFR 1910.134)
<b>Ventilation:</b>	Adequate mechanical exhaust/ventilation
<b>Other:</b>	Evaluate need based on application.
<b>Work/Hygiene Practice:</b>	N/A

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Crystalline powder
<b>Color:</b>	White or transparent
<b>Odor:</b>	Odorless
<b>pH:</b>	6-7
<b>Vapor Pressure (mm Hg.):</b>	N/A
<b>Vapor Density (AIR = 1):</b>	N/A
<b>Boiling Point: (@ 760 mmHg)</b>	N/A
<b>Melting Point:</b>	N/A
<b>Specific Gravity:</b>	1.76 g/cm <sup>3</sup> , Bulk Density Approx. 1.05 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	71 g/100ml at 20C, 91 g/100ml at 40C

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under all conditions of storage and use
<b>Conditions to Avoid:</b>	None
<b>Incompatibility (Materials to Avoid):</b>	Metal hybrids and other water reactive materials
<b>Hazardous Decomposition or Byproducts:</b>	At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Data:</b>	When tested for primary irritation potential, this material caused mild eye irritation. RTECS reports Oral TDLo=428 mg/kg in men, 351 mg/kg in women.
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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Data not available
<b>Environmental Fate:</b>	This material is not persistent in aquatic systems and does not contribute to BOD. It does not bio-concentrate up the food chain.
<b>Physical/Chemical:</b>	Sinks and mixes with water.

## 13. DISPOSAL CONSIDERATIONS

<b>Classification:</b>	Not a hazardous waste
<b>Waste Disposal Methods:</b>	Landfill according to local, state and federal regulations. Disposed material is not a RCRA Hazardous waste.

## 14. TRANSPORT INFORMATION

<b>DOT Classification:</b>	Not regulated
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## 15. REGULATORY INFORMATION

<b>CERCLA:</b>	No CERCLA Reportable Quantity has been established for this material.
<b>SARA Title III:</b>	Not an Extremely Hazardous Substance under 302. Not a Toxic Chemical under 313. Hazard Categories under 311/312: Acute
<b>TSCA:</b>	All ingredients of this material are listed on the TSCA inventory.
<b>FDA:</b>	Magnesium sulfate is authorized by FDA GRAS substance pursuant to 21 CFR 184.1443.

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
This product is not considered hazardous.

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.