



## MATERIAL SAFETY DATA SHEET

### MAGNESIUM STEARATE

# MSDS

#### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

<b>Product Name:</b>	<b>MAGNESIUM STEARATE</b>
<b>Product Use:</b>	Personal Care Formulations
<b>Company Name:</b>	Natural Sourcing
<b>Company Address:</b>	341 Christian Street, Oxford, CT 06478, USA
<b>Date Issued:</b>	06/12/2009
<b>Emergency Telephone Number:</b>	<b>Chemtrec Tel: (800) 262-8200</b>

#### 2. COMPOSITION/INGREDIENT INFORMATION

<b>Chemical Formula:</b>	(C <sub>17</sub> H <sub>35</sub> COO) <sub>2</sub> Mg
<b>Composition:</b>	
Magnesium stearate	100%
<b>Hazardous Components:</b>	None
<b>Exposure Limits:</b>	N/A
<b>CAS #:</b>	557-04-0
<b>EINECS #:</b>	
<b>Toxicology Data on Ingredients:</b>	Not Applicable

#### 3. HAZARDS IDENTIFICATION

<b>Routes of Entry:</b>	<ul style="list-style-type: none"><li>Ingestion</li></ul>
<b>Potential Acute Health Effects:</b>	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

#### 4. FIRST AID MEASURES

<b>Eyes:</b>	Flush with plenty of water or eye wash solution for 15 minutes. WARM water MUST be used. Get medical attention if irritation persists.
<b>Skin:</b>	Wash with soap and water. Cover irritated skin with an emollient. Get medical attention if irritation occurs.
<b>Ingestion:</b>	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 collars, ties, belts or waistbands.
<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	None

## 5. FIRE FIGHTING MEASURES

<b>Flammability of Product:</b>	May be combustible at high temperatures.
<b>Flash Point (Method Used):</b>	Not Available
<b>Flammable Limits:</b>	<b>LEL:</b> Not Established <b>UEL:</b> Not Established
<b>Auto Ignition Temperature:</b>	Not Available
<b>Hazardous Combustion Products:</b>	CO, CO2
<b>Conditions Under Which Flammability Could Occur:</b>	Not Available
<b>Extinguishing Media:</b>	<ul style="list-style-type: none"><li>• Dry Chemical</li><li>• Carbon Dioxide</li><li>• Foam</li></ul>
<b>Special Firefighting Procedures:</b>	<b>Note:</b> Do not use water jet. <ul style="list-style-type: none"><li>• Combustible material.</li><li>• Use air supplied equipment for fighting interior fires.</li><li>• Cool fire exposed containers with water spray.</li></ul>
<b>Unusual Fire &amp; Explosion Hazards:</b>	Not established

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

<b>Personal Protection:</b>	N/A
<b>Methods for Cleaning Up:</b>	<ul style="list-style-type: none"><li>• Sweep up and dispose of in an appropriate waste disposal container according to local and regional authority requirements.</li><li>• Wash area with soap and water.</li></ul> <p>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.</p>

## 7. HANDLING AND STORAGE

### Handling

<b>Safe Handling:</b>	<ul style="list-style-type: none"><li>• Wear safety glasses. Avoid contact with eyes.</li><li>• Keep away from oxidizing agents, excessive heat and sources of ignition.</li><li>• Empty containers pose a fire risk. Evaporate the residue under a fume hood.</li><li>• Ground all equipment containing material.</li><li>• Do not breathe dust.</li></ul>
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### Storage

<b>Requirements for Storage Areas and Containers:</b>	Store in a cool, dry location, in a sealed container in a well ventilated area.
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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Use process enclosures. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.  Ensure that eyewash stations and safety showers are proximal to the work area.
<b>Personal Protection</b>	
<b>Eye:</b>	Safety glasses should be worn.
<b>Skin/Body:</b>	Lab coats, gloves.
<b>Respiratory:</b>	Approved/certified dust respirator or equivalent.
<b>Ventilation:</b>	Handle in well ventilated areas.
<b>Other:</b>	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
<b>Work/Hygiene Practice:</b>	Normal work and hygiene practices for handling chemicals.
<b>Exposure Limits:</b>	TWA: 10 from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Color:</b>	White
<b>Odor:</b>	Neutral
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.028
<b>pH:</b>	Not Available
<b>Melting Point:</b>	88 °C (190.4 °F)
<b>Solubility in Water:</b>	Slightly soluble in cold water.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Not Available
<b>Incompatibility (Materials to Avoid):</b>	Not Available
<b>Hazardous Decomposition or Byproducts:</b>	Not Available
<b>Hazardous Polymerization:</b>	Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of Entry:</b>	Ingestion
<b>Toxicity to Animals:</b>	LD50: Not Available LC50: Not Available
<b>Chronic Effects on Humans:</b>	May cause damage to the following organs: Liver, Skin
<b>Other Toxic Effects on Humans:</b>	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
<b>Irritancy:</b>	Skin: Irritant Eyes: Irritant

<b>Carcinogenicity:</b>	Not Available
<b>Reproductive Toxicity:</b>	Not Available
<b>Teratogenicity:</b>	Not Available
<b>Mutagenicity:</b>	Not Available
<b>Notes:</b>	This substance may be toxic to liver, skin. Repeated or prolonged exposure to the substance can produce target organ damage.
<b>Name of toxicologically synergistic products:</b>	Not Available

## 12. ECOLOGICAL INFORMATION

<b>Ecological Information:</b>	Not Available
<b>BOD5 and COD:</b>	Not Available
<b>Products of Biodegradation:</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation:</b>	The products of degradation are more toxic.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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## 14. TRANSPORT INFORMATION

<b>DOT Classification:</b>	Not a DOT controlled material.
<b>Class/Division:</b>	Not restricted
<b>Proper Shipping Name:</b>	N/A
<b>Label:</b>	None
<b>Packing Group:</b>	N/A
<b>ID Number:</b>	N/A
<b>Hazard:</b>	N/A

## 15. REGULATORY INFORMATION

<b>Federal &amp; State Regulations:</b>	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Magnesium stearate  California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Magnesium stearate TSCA 8(b) inventory: Magnesium stearate
<b>Other Regulations:</b>	Not Available
<b>WHMIS Canada:</b>	Not controlled under WHMIS (Canada)
<b>DSCL (EEC):</b>	This product is not classified according to the EU regulations.

**HMIS (USA):**

Health Hazard: 1  
Fire Hazard: 1  
Reactivity: 0  
Personal Protection: E

**National Fire Protection Association (USA):**

Health Hazard: 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

**16. ADDITIONAL 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.