

**PRODUCT NAME:** MAGNESIUM SULFATE SOLUTION

Transportation Emergencies, Call (800) 424-9300 (CHEMTREC)  
Health Emergencies, contact Your Local Poison Center

**I. PRODUCT INFORMATION**

<b>Product Name:</b>	Magnesium Sulfate	<b>Formula:</b>	MgSO <sub>4</sub>
<b>Chemical Name:</b>	Magnesium Sulfate	<b>Chemical Family:</b>	Magnesium Sulfate – Inorganic Salt – Epsom Salts Solution
<b>CAS Number:</b>	7487-88-9		

<b>Typical Composition</b>	<b>%</b>
Magnesium Sulfate	17-27
Water (Volatile)	Balance

**Exposure Standard:**

Hazard Ratings: Health = 1 Flammability = 0 Reactivity = 1  
0 = Least; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme;

**II. PERSONAL PROTECTION INFORMATION**

**Ventilation:** N/A

**Eye:** Prevent eye contact through the use of chemical safety glasses, goggles or a face shield.

**Skin:** N/A

**Respiratory:** N/A

**Other:** Eye wash shall be available.

**III. HEALTH INFORMATION**

**PHYSIOLOGICAL & HEALTH EFFECTS**

**Eyes:** May cause eye irritation if contacted.

**Skin:** None

**Inhalation:** N/A

**Ingestion:** May cause gastrointestinal distress if swallowed, consult physician.

**Toxicity:** None

**EMERGENCY & FIRST AID PROCEDURES**

**Eyes:** Wash at least 15 minutes with copious amounts of water.

**Skin:** N/A

**Inhalation:** N/A

**Ingestion:** Consult physician

**SYMPTOMS OF OVEREXPOSURE**

**Acute:** May cause excessive gastrointestinal distress if swallowed.

**Chronic:** If over 2 ounces are swallowed, consult physician

**IV. REACTIVITY DATA**

**Stability:** Stable

**Incompatibility:** None

**Hazardous  
Decomposition  
Products:** None

**Hazardous  
Polymerizations:** Will not occur

**V. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and  
Odor:** Light colorless solution; odorless

**Boiling Point:** 220°F

**Melting Point:** Water solutions of epsom salts - no melting point

**Vapor Density:** Similar to water

**Vapor Pressure  
(mm Hg @ 20°C):** Similar to water

**pH as is:** 5-8

**Solubility in water:** Appreciable

**Specific Gravity:  
(H<sub>2</sub>O = 1)** 1.18-1.30

**Molecular Weight:** N/A



**SALES OFFICE**

For Product Information:  
TEL: 662-494-3055  
FAX: 662-494-2828

Post Office Drawer 1217  
West Point, MS 39773

To Place An Order:  
TEL: 800-953-3585  
FAX: 800-953-3588

---

**IMPORTANT**

The information on this Material Safety Data Sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.

