

SAL CHEMICAL COMPANY, INC.  
HALF MOON INDUSTRIAL PARK  
COCOAUTION DRIVE  
WEYBTON, WV 26062  
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**MATERIAL SAFETY DATA SHEET**  
**MAGNESIUM SULFATE HEPTAHYDRATE USP**

**SECTION I - PRODUCT IDENTIFICATION**

Manufacturer's Name: Giles Chemical Corporation  
Address: Post Office Box 370 - Waynesville, NC 28786  
Phone Number: (828) 452-4784

Chemical Name and Formula: Magnesium Sulfate Heptahydrate -  $MgSO_4 \cdot 7H_2O$   
CAS No: 7487-88-9  
ISCA considers hydrates as mixtures of Anhydrous salt and water

Common Name: Epsom Salt Magnesium Sulfate USP

**SECTION II - HAZARDOUS COMPONENTS**

Hazardous Ingredients  
Material of Component : None  
Hazard Date : None

**SECTION III - PHYSICAL DATA**

Boiling Point : N/A  
Melting Point : 250 °C ( 482 °F )  
Specific Gravity : 1.65

Appearance : Small crystals  
Color : Colorless  
Odor : Odorless

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point : Non-Combustible  
Special Fire Fighting Proc : Use positive pressure supplied air breathing apparatus

**SECTION V - HEALTH HAZARD DATA**

Routes of Exposure  
Inhalation : Possible dust irritation  
Ingestion : May cause nausea, abdominal cramps, & diarrhea if swallowed  
Skin Contact : None  
Eye Contact : Possible dust irritation

**SECTION VI - REACTIVITY DATA**

Stability : Stable  
Hazardous Polymerization : Will not occur

Conditions to Avoid : Very High Temperature  
Decomposition Products : Oxides of Sulfur & Magnesium

**SECTION VII - SPILL AND DISPOSAL PROCEDURE**

NON - HAZ WASTE  
No special precautions necessary - Dilute with water ( $H_2O$ ) or sweep and dispose of properly

**SECTION VIII - PROTECTIVE EQUIPMENT**

Special protective Information : Appropriate dust control equipment required  
Personal Protective Equipment : For operators, respirator could be worn in abnormal dust conditions

**SECTION IX - STORAGE AND HANDLING PRECAUTIONS**

SAF-T-DATA (TM) storage color Code : Orange ( General Storage )

Prepared : April, 1998  
By : Giles Chemical Corporation