

# Magnesium Sulfate Heptahydrate

## Sodium Formaldehyde Bisulfite Material Safety Data Sheet

### Product Information

Brand Name AquaLife Simple Science  
Product Name Magnesium Sulfate Heptahydrate  
Chemical Family  
Chemical Name Magnesium Sulfate Heptahydrate  
Molecular Formula  $MgSO_4 \cdot 7H_2O$   
Molecular Weight 246.46

**Material Uses:** N/A

**NFPA (704) Rating** Health: 1 Flammability: 0  
Reactivity: 3 Special: 0

### Composition & Information on Ingredients

**CAS Number** 10034-99-8

% by Weight 95

### Hazards Identification

Inhalation: May cause nausea, vomiting, abdominal cramps, and diarrhea. Skin Contact: No known adverse effects. Eye Contact: No known adverse effects. Ingestion: Causes nausea, vomiting, abdominal cramps, and diarrhea. 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.

### First Aid Measures

Inhalation: Remove from exposure area to fresh air immediately. Skin Contact: Remove contaminated clothing and shoes. Wash affected area with soap or mild detergent and rinse with water until no evidence of product remains. Eye Contact: Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of product remains (approximately 15-20 minutes). 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.

### Fire & Explosion Data

Flammability of the Product: Non-flammable.  
Auto-Ignition Temperature: Not applicable.  
Flash Points: Not applicable.  
Flammable Limits: Not applicable.

### Accidental Release Measures

Leak/Spill Sweep up and remove to an appropriated disposal container. Wash area with soap and water. Disposal Dispose of in accordance with local, state and federal regulations. Presents no health hazards.

### Handling and Storage

Storage No specific storage is required.

### Exposure Controls/Personal Protection

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels be low recommended exposure limits. Personal Protection: Safety glasses. Lab coat. Dust respirator.

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

### Physical & Chemical Properties

Physical State & Appearance: Solid  
Solubility: Easily soluble in cold water.

### Stability & Reactivity Data

Stability Stable under normal temperatures and pressures.  
Incompatibilities Strong oxidizing agents.  
Hazardous Decomposition: Sulfur oxides, Magnesium oxide.

### Disposal Considerations

Disposal Dispose of in a manner consistent with federal, state and local regulations.

### Transport Information

DOT This material is not regulated hazardous material.

### Other Regulatory Information & Classifications

Federal and State Regulations: TSCA 8(b) inventory: All ingredients are listed on the TSCA inventory.  
DSCL (EEC): All ingredients are listed on the DSCL inventory.  
California Proposition 65: Not Listed  
SARA 302: Not Listed  
SARA 304: Not Listed  
SARA 311: No SARA Hazard  
SARA 312: No SARA Hazard  
SARA 313: Not Listed  
WHMIS Canada: Not Listed

### Manufacturer/Importer/Supplier/Distributor Information

Company Name: Aquarium Life Support Systems  
1737 Louisville Dr  
Knoxville, TN 37921 USA  
Telephone Number: 865/588-0108  
Fax Number: 865/588-1976  
Website: [www.aqualifesupport.com](http://www.aqualifesupport.com)  
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Revision Date: 05/29/20



Aquarium Life Support Systems  
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