

# Magnesium Chloride Hexahydrate

## Magnesium Chloride Hexahydrate Material Safety Data Sheet

### Product Information

Brand Name AquaLife Simple Science  
Product Name Magnesium Chloride Hexahydrate  
Chemical Family  
Chemical Name Magnesium Chloride Hexahydrate  
Molecular Formula  $MgCl_2 \cdot 6H_2O$   
Molecular Weight 203.31

**Material Uses:** N/A

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

### Composition & Information on Ingredients

**CAS Number** 7791-18-6

% by Weight 99

### Hazards Identification

OSHA Hazards: None  
Target Organs: None  
Signal Words: None  
Pictograms: None  
GHS Classification: Not a dangerous substance according to GHS

### First Aid Measures

Eyes: Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary  
Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary. Skin: Wash off with soap and plenty of water. Get medical attention if necessary.  
Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

### Fire & Explosion Data

Product is not flammable. Use appropriate media for adjacent fire. Use flooding quantities of water to cool containers. General: Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Emits toxic fumes (hydrogen chloride gas, magnesium oxides) under fire conditions.

### 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

Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

Storage Keep containers closed. Store in a cool, dry place.

### Exposure Controls/Personal Protection

Occupational exposure controls: Contains no substances with occupational exposure limit values.

Personal Protection Eyes: Wear chemical safety glasses. Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator. Skin: Wear neoprene or nitrile gloves, and protective clothing appropriate to the risk of exposure. Other Recommendations: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

### Physical & Chemical Properties

Physical State & Appearance Colorless flakes or crystals. Odor: No odor  
Flash Point: Not flammable  
Solubility: Completely soluble in water.

### Stability & Reactivity Data

Stability: Stable under normal temperatures and pressures.  
Incompatibilities: Strong oxidizing agents.  
Conditions to Avoid: Moist air or water.  
Hazardous Decomposition: Hydrogen chloride gas, magnesium oxides.

### Disposal Considerations

Disposal Dispose of in a manner consistent with federal, state and local regulations. Avoid release into the environment.

### Transport Information

DOT This material is not regulated hazardous material.

### Other Regulatory Information & Classifications

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 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)  
E-mail: [cs@aqualifesupport.com](mailto:cs@aqualifesupport.com)

Revision Date: 05/06/20



Aquarium Life Support Systems  
[www.aqualifesupport.com](http://www.aqualifesupport.com)  
[www.aqualiferx.com](http://www.aqualiferx.com)