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## SAFETY DATA SHEET

### 1) Product and Company Information

Product Name:	<b>Magnesium Sulfate Heptahydrate</b>
Synonyms:	Epsom Salts, Bitter Salts, Sulfuric Acid Magnesium Salt Heptahydrate
Product Description:	Inorganic Salt
Material Use:	Livestock Feedstuff; General Chemical Reagent
Supplier:	Global Agri-trade Corp. 320 Golden Shore, Suite 350 Long Beach, CA 90802 Tel. No.: (562)320-8550 Fax No.: (562)256-7551
Emergency Contact:	1-562-320-8550 Executive Director

### 2) Hazard Identification

Proposed Classification:

This product contains no substances classified as hazardous to health.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.



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Human Health Hazards:

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| a) Inhalation:   | Can cause irritation to respiratory tract. |
| b) Skin Contact: | Irritant to skin.                          |
| c) Eye Contact:  | Can cause irritation.                      |
| d) Ingestion:    | Can cause irritation to digestive tract.   |

Physical / Chemical Hazards: Colorless, crystalline, odorless.

**3) Composition/ Information on Ingredients**

Chemical Description:	CAS #: 10034-99-8	Magnesium Sulfate Heptahydrate; Inorganic Salt
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**4) First Aid Measures**

Inhalation:	Remove from exposure.
Skin contact:	Wash thoroughly with soap and water.
Ingestion:	Wash out mouth thoroughly with water. In severe cases obtain medical attention.
Eye contact:	Irrigate thoroughly with water. Consult a doctor if irritation occurs.

**5) Fire Fighting Measures**

Suitable Firefighting Equipment:	Not applicable.
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Personal Precautions:

May evolve toxic fumes in fire.

Environmental Protection:

Place in covered containers for disposal in approved landfill.

## 6) Accidental Release Measures

Personal Precautions:

Wear appropriate protective clothing, dust respirator.

Environmental Protection:

Minimize contamination of drains, surface and ground water.

Leak/Spill:

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## 7) Handling and Storage



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Handling:	Change contaminated clothing. Wash hands after working with substance.
Storage:	Store at room temperature (15 to 25 degrees Celsius recommended). Keep well closed and protected from direct sunlight and moisture.

### 8) Exposure Control/Personal Protection

Personal Protection:	Do not breathe dust; wear dust mask and/or goggles if necessary. Wear appropriate protective clothing.
Occupational Exposure:	No limit has been established.

### 9) Physical and Chemical Properties

Appearance:	Solid, colorless, odorless.
Odor:	Odorless.
Boiling Point °C at 760 mm Hg:	Not available.
Melting Point, °C:	Not available.
Flash Point, °C (Pensky Martens closed cup):	Not available
Auto-Ignition Temperature, °C:	Not available.
Solubility in Water, g/100 ml at 20°C:	710 g/l



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Density, g/ml at 75°C:	1.68
Relative Molecular Mass:	256.4
pH Value:	5.5 – 6.5 (50 g/l in water)

#### **10) Stability and Reactivity**

Conditions to Avoid:	The product is stable.
Decomposition Products:	Soluble in water.

#### **11) Toxicology Information**

Acute Fish Toxicity:	> 7 g product/l
Acute Bacteria Toxicity:	> 2.5 g product/l

Therapeutically used substance. No acute toxicity even at high doses. Ingestion of large amounts will cause diarrhea. No evidence of carcinogenic effects. No evidence of mutagenic or teratogenic effects.

#### **12) Ecological Information**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

#### **13) Disposal Consideration**

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Dispose of in accordance with all applicable local, state and federal laws and regulations. Rinse out empty containers thoroughly with water before returning for recycling.

#### **14) Transport Information**



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Not dangerous, no transport regulations applicable.

### **15) Regulatory Information**

Magnesium Sulfate Heptahydrate is categorized under non-hazardous chemicals.

### **16) Other Information**

Date of Last Revision: December 1, 2015

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