

1. Identification

Common Name/
Trade Name: **RPM Elements Liquid Magnesium**
Material Uses: Aquarium Water Quality

Revision Date: April 4, 2017
Product Number: N/A

Supplier: FRITZ INDUSTRIES, INC.
500 SAM HOUSTON ROAD
MESQUITE, TX 75149

In Case of Emergency:

Week Days: CHEMTREC
(Monday – Friday 8-5): (7 days a week, 24 hours a day)
(972) 285-5471 (800) 424-9300
(800) 955-1323

2. Hazard(s) Identification

Classification: Not classified under GHS

Labeling: Symbol: Symbol not required.
Signal word: Signal word not required.
Hazard Statement: Not a hazardous substance or mixture.
Precautionary Statements: P102 Keep out of reach of children.
P233 Keep container tightly closed.
P264 Wash exposed skin thoroughly after handling.
P281 Use personal protective equipment as required.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.
Health Hazards: May cause eye and skin irritation.
Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients

Chemical Identity	Numbers of Identity	% by Weight
Magnesium Sulfate Heptahydrate	CAS# 10034-99-8	<1.0
Magnesium Chloride Hexahydrate	CAS# 7791-18-6	<55
Water	CAS# 7732-18-5	>45

4. First Aid Measures

Inhalation: Inhalation not probable, but if mist is inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If irritation appears and persists, seek medical attention.

Eye Contact: Do not rub eyes. Immediately flush eyes with water for at least 15 minutes, while keeping eyelids open. Seek medical attention.

Ingestion: If large quantities of material are swallowed, seek medical attention immediately. Do not induce vomiting, unless directed by medical personnel.

5. Fire and Explosion Data

General information: Material is considered non-combustible and non-flammable.

Suitable Extinguishing Media: Use media suitable for extinguishing surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards in case of fire: None known.

Special Protective Equipment and Precaution for Fire Fighters: Firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece.

6. Accidental Release Measures

Personal precautions:	Avoid contact with material. Use proper personal protective equipment (see section 8). Spilled material may cause a slipping hazard.
Environmental precautions:	No precautions known.
Methods and materials for containment and cleaning up:	Ventilate area. Isolate and contain spill. Use absorbent material to pick up material and place in a suitable container for disposal.

7. Handling and Storage

Precautions for safe handling:	Use proper personal protective equipment (see section 8). Avoid contact with material. Wash exposed skin thoroughly after handling.
Conditions for safe storage, including incompatibilities:	Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store away from incompatibles (see section 10). Avoid extreme heat and cold.

8. Exposure Controls/Personal Protection**Exposure Limits:**

Component Name (CAS-No.)	Reference	Limit Values
Magnesium Sulfate Heptahydrate CAS# 10034-99-8	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established
Magnesium Chloride Hexahydrate CAS# 7791-18-6	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

Ventilation:	Use with adequate ventilation.
Respiratory protection:	Not necessary, but if user generates mist, use a respirator approved for mist.
Eye protection:	Safety glasses with side shields or splash goggles.
Skin protection:	Chemical resistant gloves. Clothing should cover arms and legs.

9. Physical and Chemical Properties

Flashpoint:	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	Not determined	Specific Density:	1.0±0.1
Melting Point:	Not applicable	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	100%	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH:	Slightly Acidic
Molecular Formula:	Not applicable	Molecular Weight:	Not applicable
Odor/Appearance:	Odorless/Slightly turbid-white liquid		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of use and storage.
Possibility of hazardous reactions:	Product is not reactive under recommended conditions of use and storage.
Conditions to avoid:	Extreme heat and cold.
Materials to avoid:	Strong Acids.
Hazardous Decomposition Products:	None known under normal conditions.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact and ingestion.
Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Contact may cause mild irritation to skin. Based on available data, classification criteria are not met.
Serious Eye Damage/Irritation:	Contact may cause mild irritation to eyes. Based on available data, classification criteria are not met.
Respiratory/Skin Sensitization:	No data available.
Germ cell Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Other Chronic Toxicity:	No known effects from chronic exposure.

12. Ecological Information

Persistence and degradability: Material is not persistent in aquatic systems.
Bio-accumulative potential: Material does not bio-accumulate.
Mobility: No data available.
Aquatic Toxicity:

Test	Results	Comments
Toxicity	No data available	

13. Disposal Considerations

Waste Disposal: Dispose in accordance with local, state, and federal regulations.

14. Transport Information

US DOT: Not regulated as a hazardous material.
IATA: Not regulated as a hazardous material.
IMDG: Not regulated as a hazardous material.

15. Other Regulatory Information**US Regulations:**

Inventory Status: All components listed on TSCA inventory or are exempt.
SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.
SARA (311/312) Hazard Categories: No hazards listed.
SARA 313: This material does not contain any SARA 313 chemicals.
EPA CERCLA/Superfund Reportable
Spill Quantity: This material does not contain any CERCLA regulated chemicals.

16. Other Information**Abbreviations and acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DOT: Department of Transportation
EHS: Extremely Hazardous Substances
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
mg/m3: Milligrams per Cubic Meter
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term exposure limit
STOT: Specific Target Organ Toxicity
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 0, Flammability 0, Reactivity 0, Protective Equipment a
NFPA (U.S.A.): Health 0, Flammability 0, Reactivity 0

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End of SDS