

1. Identification

Common Name/ Trade Name:	Fritz ProAquatics Magnesium Chloride	Revision Date: May 8, 2019
Material Uses:	Aquarium water quality	Product Number: N/A

Supplier:	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149	In Case of Emergency:	
		Week Days: (Monday – Friday 8-5): (972) 329-8800 (800) 955-1323	CHEMTREC (7 days a week, 24 hours a day) (800) 424-9300

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 hands thoroughly after handling. P281 Use personal protective equipment as required.

Other Hazard Information:

Physical/Chemical Hazards:	No additional hazards.
Health Hazards:	No additional hazards.
Environmental Hazards:	No additional hazards.

3. Composition and Information on Ingredients

<u>Chemical Identity</u>	<u>Numbers of Identity</u>	<u>% by Weight</u>
Magnesium Chloride Hexahydrate	CAS # 7791-18-6	100%

4. First Aid Measures

Inhalation: If inhaled, remove from area 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: Remove contaminated clothing and wash contact areas with soap and water. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

Eye Contact: Immediately flush eyes thoroughly with large amounts of water for a minimum of 15 minutes, while holding eyelids open. If irritation or adverse symptoms develop, seek medical attention.

Ingestion: If victim is conscious and alert, rinse mouth out and give 1/2 to 1 cup of water to dilute material. Do not induce vomiting. Seek medical attention if symptoms persist.

5. Fire and Explosion Data

General Information: This material is not flammable or combustible.

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

Unsuitable Extinguishing Media: Do not spray water directly on material.

Specific Hazards in Case of Fire: Irritating and highly toxic gases may be generated by thermal decomposition.

Special Protective Equipment and Precaution for Fire Fighters: Full protective clothing and approved self-contained breathing apparatus required for fire personnel.

6. Accidental Release Measures

Personal Precautions: Avoid skin and eye contact. Avoid breathing dust. Use appropriate personal protective equipment, see section 8.

Environmental Precautions: Prevent from entering sewers and waterways.

Methods and Materials for Containment and Cleaning Up: Ventilate area. Isolate and contain spill. Use dry methods to collect spilled materials. Avoid generating dust. Place material in suitable container for reclamation or disposal.

7. Handling and Storage

Precautions for Safe Handling: Avoid direct skin and eye contact with material. Avoid breathing dust. Use proper personal protective equipment, see section 8. Wash exposed areas thoroughly after handling.

Conditions for Safe Storage, including Incompatibilities: Keep container tightly closed. Store in a cool, dry, and well-ventilated location. Keep away from water/humidity/moisture. Store away from strong oxidizing agents and other incompatibles, see section 10.

8. Exposure Controls/Personal Protection

Exposure Limits:

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

Ventilation: Use local exhaust ventilation or other engineering controls to keep airborne dust levels minimal.

Respiratory Protection: If ventilation is inadequate, use a MSHA/NIOSH approved respirator that meets with OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements.

Eye Protection: Safety glasses with side shields or goggles.

Skin Protection: Chemical resistant gloves and boots.



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 Gravity:	1.59
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not applicable	Evaporation Rate (Water=1):	Not applicable
Vapor Density (air=1):	Not available	Viscosity:	Not applicable
%Solubility in Water:	Soluble	Octanol/Water Partition Coefficient:	Not applicable
Pour Point:	NA	pH (1% in water):	7.0
Odor/Appearance:	Odorless/White solid		

10. Stability and Reactivity Data

Chemical Stability:	Stable under recommended conditions of use and storage.
Possibility of Hazardous Reactions:	Reacts exothermically with water. Explosive when combined with 2-furan percarboxylic acid.
Conditions to Avoid:	Heating to decomposition.
Materials to Avoid:	Water, strong oxidizing agents, and 2-furan percarboxylic acid.
Hazardous Decomposition Products:	Hydrogen chloride, chlorine.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, inhalation, and ingestion.
Acute Toxicity:	LD ₅₀ : 8100 mg/kg, oral, rat
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	No data available.
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 Effects:	Prolong exposure may cause kidney damage.

12. Ecological Information

Persistence and Degradability:	No data available.
Bio-accumulative Potential:	No data available.
Mobility:	No data available.
Aquatic Toxicity:	

Test	Results	Comments
Toxicity	No data available	

13. Disposal Considerations

Waste Disposal:	Disposal should be made in accordance with federal, state, and local regulations.
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14. Transport Information

US DOT:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.

15. Other Regulatory Information

Inventory Status:	Components of this product are on the TSCA inventory or are exempt.
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US Regulations:

SARA 302 EHS Chemicals:	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SARA (311/312) Hazard Categories:	No hazards listed.
SARA 313:	This product does not contain ingredients on the List of Toxic Chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity:	This material does not contain any CERCLA regulated chemicals.
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.



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
EC₅₀: Effective Concentration, half maximal
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
LC₅₀: Lethal Concentration, half maximal
LD₅₀: Lethal Dose, half maximal
mg/Kg: Milligrams per Kilogram
mg/L: Milligrams per Liter
mg/m³: Milligrams per Cubic Meter
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OECD: Organization for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STOT, RE: Specific Target Organ Toxicity, Repeated Exposure
STOT, SE: Specific Target Organ Toxicity, Single Exposure
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 0, Flammability 0, Reactivity 0, Personal Protection b
NFPA (U.S.A.): Health 0, Flammability 0, Reactivity 0

Revisions:

Reviewed SDS, updated sections 11 and 15. (05/08/2019)

Supersedes:

March 20, 2015

Prepared by: Michael Carlo

Preparation date: May 8, 2019

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End of SDS