

1. Identification

Common Name/
Trade Name: **RPM Salt**
Material Uses: Aquarium water quality

Revision Date: March 26, 2018

Product Number: N/A

Supplier: FRITZ INDUSTRIES, INC.
500 N. 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) 329-8800 (800) 424-9300
(800) 955-1323

2. Hazard(s) Identification

Classification: Reproductive Toxicity, Category 2

Labeling:

Symbol:



Signal word: WARNING

Hazard Statement: H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements: P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P233 Keep container tightly closed.
P264 Wash skin thoroughly after handling.
P281 Use personal protection equipment as required.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of container/contents to an approved waste disposal facility.

Other hazard information:

Physical/Chemical Hazards: No additional hazards

Health Hazards: May cause irritation to the skin, eyes and respiratory system.

Environmental Hazards: No additional hazards

3. Composition and Information on Ingredients

Chemical Identity	Numbers of Identity	% by Weight
Calcium Chloride	CAS# 10043-52-4	<5.0
Magnesium Sulfate	CAS# 7487-88-9	<10
Sodium Tetraborate	CAS# 1303-96-4	<0.30

4. First Aid Measures

Inhalation:	If 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 develops 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. If irritation develops and persists, seek medical attention.
Ingestion:	If ingested, do not induce vomiting. If alert and conscious, remove material from mouth and rinse. Give 2 to 4 cups of water to dilute. Seek medical attention if large amount is ingested.

5. Fire and Explosion Data

General Information:	Product is not flammable or combustible.
Suitable Extinguishing Media:	Use suitable media to extinguish surrounding fire.
Unsuitable Extinguishing Media:	None known.
Specific Hazards in case of fire:	Irritating and toxic fumes 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 breathing dust. Use proper 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 breathing dust. Minimize dust generation. Avoid contact with skin and eyes. Wear suitable personal protective equipment (see section 8).
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).

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

Component Name	Reference	Limit Values	
Sodium Tetraborate CAS# 1303-96-4 as borate compounds	ACGIH (TWA)	2 mg/m ³	
	NIOSH (REL)	Not Established	
	OSHA (PEL)	Not Established	
Particulates Not Otherwise Regulated (Nuisance Dust)	ACGIH (TWA)	10 mg/m ³ (Inhalable)	3 mg/m ³ (Respirable)
	NIOSH (REL)	Not established	
	OSHA (PEL)	15 mg/m ³ (Total)	5 mg/m ³ (Respirable)

Ventilation:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels minimum.
Respiratory protection:	Not required, but if dust is generated, use adequate respiratory protection.
Eye protection:	Use safety glasses with side-shields or splash goggles.
Skin protection:	Use 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 applicable	Bulk Density:	Not determined
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not applicable	Evaporation Rate (Water=1):	Not applicable
Vapor Density (air=1):	Not applicable	Viscosity:	Not applicable
%Solubility in Water:	Soluble	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not applicable	pH:	6 - 8
Odor/Appearance:	Odorless/White Coarse Powder		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of storage and use.
Possibility of hazardous reactions:	Hazardous reactions should not occur under recommended conditions of storage and use.
Conditions to avoid:	Dust generation, moisture, high temperatures.
Materials to avoid:	Strong oxidizing agents, strong reducing agents, strong acids, and ethoxy ethyl alcohols. May be mildly corrosive to metals in the presence of moisture.
Hazardous Decomposition Products:	Irritating and toxic fumes may be generated by thermal decomposition.

11. Toxicological Information

Routes of Exposure:	Skin/eye contact, inhalation and ingestion.
Acute Toxicity:	Oral LD ₅₀ : 3,135 mg/kg, rat, ATE. Inhalation LC ₅₀ : No data available. Dermal LD ₅₀ : No data available.
Skin Corrosion/Irritation:	Contact may cause mild irritation to the skin. Based on available data, classification criteria are not met.
Serious Eye Damage/irritation:	Contact may cause mild irritation to the 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:	Based on animal studies, sodium tetraborate is suspected of damaging fertility or the unborn child.
STOT, SE:	May cause irritation to the respiratory system through inhalation. Based on available data, classification criteria are not met.
STOT, RE:	No data available.
Other Chronic Effects:	No known effects from chronic exposure.

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
UN number:	Not applicable.
UN Proper Shipping Name:	Not applicable.
Hazard Class:	Not applicable.
Packing Group:	Not applicable.
IATA:	Not regulated
IMDG:	Not regulated

15. Other Regulatory Information**Inventory Status:** Components are listed in TSCA inventory or are exempt.**US Regulations:**

SARA 302 EHS Chemicals: This product does not contain ingredients listed as an Extremely Hazardous Substance.

SARA (311/312) Hazard Categories: Acute Health Hazard.
Chronic Health Hazard.

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.

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

ACGIH: American Conference of Governmental Industrial Hygienists
 ATE: Acute Toxicity Estimate
 CAS: Chemical Abstract Service
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
 EHS: Extremely Hazardous Substances
 EPA: Environmental Protection Agency
 GHS: Globally Harmonized System
 HMIS: Hazardous Materials Identification System
 LC₅₀: Lethal Concentration, half maximal
 LD₅₀: Lethal Dose, half maximal
 mg/kg: Milligrams per kilograms
 mg/l: Milligrams per Liter
 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
 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 1, Flammability 0, Reactivity 0, Protective Equipment b
 NFPA (U.S.A.): Health 1, Flammability 0, Reactivity 0

Revisions:

Added Reproductive Toxicity, Category 2 classification. (03/26/2018)
 Added GHS08 pictogram. (03/26/2018)
 Added Signal Word WARNING. (03/26/2018)
 Added Hazard Statement H361. (03/26/2018)
 Added Precautionary Statements P102, P201, P202, P233, P264, P281, P308 + P313, P405, and P501. (03/26/2018)
 Updated sections 3, 8, and 11. (03/26/2018)

Supersedes:

05/14/2015

Prepared by: Michael Carlo**Preparation date: March 26, 2018**Disclaimer

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End of SDS