

1. Identification

Common Name/ Trade Name: **Fritz ProAquatics Calcium Chloride**
 Material Uses: Aquarium water quality

Revision Date: May 28, 2019
 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) 329-8800 (800) 424-9300
 (800) 955-1323

2. Hazard(s) Identification

Classification: Acute Toxicity, Oral, Category 4
 Eye Irritation, Category 2

Labeling:

Symbol:



Signal Word: WARNING

Hazard Statement: H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary Statements: P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/eye protection/face protection.

P301 + P312 IF SWALLOWED: call a Poison Center or doctor/physician IF you feel unwell.

P330 Rinse mouth.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical attention.

P501 Dispose of contents/container to an approved waste facility.

Other Hazard Information:

Physical/Chemical Hazards: Avoid contact with water.

Health Hazards: Ingestion may cause gastrointestinal irritation.

Dust inhalation may cause irritation to mucous membranes and respiratory system. May cause irritation to skin.

Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients

Chemical Identity

Calcium Chloride

Numbers of Identity

CAS # 10043-52-4

% by Weight

74 – 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:	In case of contact, wash exposed areas with water. Remove contaminated clothing and laundry before reuse. Seek medical attention if irritation or redness persists.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation or adverse symptoms develop, seek medical attention.
Ingestion:	If victim is conscious and alert, rinse mouth out. Do not induce vomiting. Seek medical attention.

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:	None known.
Specific Hazards in Case of Fire:	Thermal decomposition may release irritating and toxic gases/vapors. Do not allow runoff to enter waterways. Heat is generated when product mixes with water.
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 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. Do not eat, drink or smoke when using this product.
Conditions for Safe Storage, including Incompatibilities:	Keep container tightly closed. Store in a cool, dry and well-ventilated location. Keep away from strong oxidizing agents, see section 10 for full list of incompatibles. Store away from water.

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

Component Name (CAS-No.)	Reference	Limit Values
Calcium Chloride CAS # 10043-52-4	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 NIOSH/MSHA approved respirator.
Eye Protection:	Safety glasses with side shields or goggles.
Skin Protection:	Chemical resistant gloves and boots. 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 Gravity:	2.15
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:	40% @ 20°C	Octanol/Water Partition Coefficient:	Not applicable
Pour Point:	NA	pH:	Not determined
Odor/Appearance:	Odorless/White flakes or granules		

10. Stability and Reactivity Data

Chemical Stability:	Stable under recommended conditions of use and storage.
Possibility of Hazardous Reactions:	Hazardous reactions should not occur under recommended conditions of use and storage, but material reacts exothermically with water.
Conditions to Avoid:	Moisture and dust formation.
Materials to Avoid:	Strong acids, water, strong oxidizing agents, zinc, bromine trifluoride, and methyl vinyl ether.
Hazardous Decomposition Products:	None known under normal conditions. Chlorine gas may be produced at high temperatures. Hydrogen may be generated from contact with zinc and sodium.

11. Toxicological Information

Routes of Exposure:	Inhalation, ingestion, skin contact and eye contact.
Acute Toxicity:	Oral LD ₅₀ : 1,000 mg/kg, rat. Inhalation LC ₅₀ : > 6.25 mg/L, rat, 4 hr. Dermal LD ₅₀ : 2,630 mg/kg, rat.
Skin Corrosion/Irritation:	Contact may cause mild irritation to the skin. Based on available data, classification criteria are not met.
Serious Eye Damage/Eye Irritation:	Eyes: Rabbit Result: Moderate eye irritation (OECD Test Guideline 405)
Respiratory/Skin Sensitization:	No data available.
Germ cell Mutagenicity:	No data available.
Carcinogenicity:	Not listed as a carcinogen with ACGIH, IARC, or NTP.
Reproductive toxicity:	No data available.
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
Fathead minnow (<i>Pimephales promelas</i>)	LC ₅₀ : 4,630 mg/L, 96 hour	
Water flea (<i>Daphnia magna</i>)	EC ₅₀ : 2,400 mg/L, 48 hour	OECD Test Guideline 202

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.
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
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
STEL: Short-term exposure limit
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, Physical Hazard 0, Personal Protection e
NFPA (U.S.A.): Health 1, Flammability 0, Reactivity 0

Revisions: Added Acute Toxicity, Oral, Category 4 hazard classification. (05/28/2019)
Added hazard statement H302. (05/28/2019)
Added precautionary statements P270, P301 + P312, P330, and P501. (05/28/2019)
Updated sections 11, 14, 15, and 16. (05/28/2019)

Supersedes: January 16, 2014

Prepared by: Michael Carlo **Preparation date:** May 28, 2019

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End of SDS