

1. Identification

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

Revision Date: August 23, 2018

Product Number: N/A

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

Week Days:
(Monday – Friday 8-5):
(972) 329-8800
(800) 955-1323

CHEMTREC
(7 days a week, 24 hours a day)
(800) 424-9300

In Case of Emergency:**2. Hazard(s) Identification**

Classification: Serious Eye Damage/Eye Irritation, Category 2

Labeling:

Symbol:



Signal Word: WARNING

Hazard Statement: H319 Causes serious eye irritation.

Precautionary Statements: P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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 advice/attention.

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

Chemical Identity	Numbers of Identity	% by Weight
Sodium Carbonate	CAS # 497-19-8	20

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 shoes. Wash affected area with soap and water. If irritation develops and persists, seek medical attention.

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 and give ½ to 1 cup of water to dilute material. If symptoms persist, 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:	Irritating and toxic gases may be generated by thermal decomposition or combustion.
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.
Conditions for Safe Storage, including Incompatibilities:	Keep container tightly closed. Store in a cool, dry and well-ventilated location. Keep away from heat. Keep away from moisture. Store away from strong acids.

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

Component Name (CAS-No.)	Reference	Limit Values
Sodium Carbonate CAS# 497-19-8	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:	Use NIOSH/MSHA approved respirator in case of inadequate ventilation.
Eye Protection:	Safety glasses with side shields or goggles.
Skin Protection:	Chemical resistant gloves.

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:	Not determined
Melting Point:	Not determined	% 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:	Soluble	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH (1% solution):	Not determined
Odor/Appearance:	Odorless/White solid		

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.
Conditions to Avoid:	Extremely high or low temperatures and exposure to moisture.
Materials to Avoid:	Strong acids, strong oxidizers, lime, aluminum powder, fluorine, and molten lithium.
Hazardous Decomposition Products:	Thermal decomposition may release oxides of sodium and oxides of carbon.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, inhalation, ingestion.
Acute Toxicity:	Oral LD ₅₀ : 4,090 mg/kg, rat (sodium carbonate). Dermal LD ₅₀ : No data available. Inhalation LC ₅₀ : 5,750 mg/L, 2 hour, rat (sodium carbonate).
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	Causes serious eye irritation.
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 information available.

12. Ecological Information

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

Test	Results	Comments
Blue Gill (<i>Lepomis macrochirus</i>)	LC ₅₀ : 300 mg/L, 96 hour	Sodium carbonate
Water flea (<i>Daphnia magna</i>)	EC ₅₀ : 265 mg/L, 48 hour	Sodium carbonate

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:	Immediate (Acute) Health Hazard
SARA 313:	This product does not contain ingredients on the List of Toxic 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
EC₅₀: Effective Concentration, half maximal
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 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, Reactivity 0, Personal Protection B
NFPA (U.S.A.): Health 1, Flammability 0, Reactivity 0

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End of SDS