

1. Identification

Common Name/
Trade Name: **Fritz pH Lower**
Material Uses: Aquarium Water Quality

Revision Date: March 4, 2015

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) 285-5471 (800) 424-9300
(800) 955-1323

2. Hazard(s) Identification

Classification: Serious Eye Damage, Category 1

Labeling

Symbol:



Signal word: DANGER

Hazard Statement: H318 Causes serious eye damage.

Precautionary Statements: P102 Keep out of reach of children.

P233 Keep container tightly closed.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash hands thoroughly after handling.

P280 Wear eye 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.

P310 Immediately call a Poison Center or doctor/physician.

Other hazard information:

Physical/Chemical Hazards: No additional hazards.

Health Hazards: Contact may cause skin irritation. Ingestion may cause gastrointestinal irritation. Inhalation of mist may cause respiratory irritation.

Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients**Chemical Identity**

Sodium Bisulfate

Numbers of Identity

CAS# 7681-38-1

% by Weight

<10

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 develops and persists, seek medical attention.

Eye Contact: Do not rub eyes. Immediately flush eyes with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, while keeping eyelids open. Seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Give plenty of water to dilute. Seek medical attention.

5. Fire and Explosion Data

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| 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: | Thermal decomposition may release oxides of sulfur and oxides of sodium. |
| 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

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| Personal precautions: | Avoid contact with material. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard. |
| Environmental precautions: | Prevent from entering sewer and waterways. |
| 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

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| Precautions for safe handling: | Use proper personal protective equipment, see section 8. Avoid contact with material. Wash 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**Information on the system design:****Exposure Limits:**

| Component Name (CAS#) | Reference | Limit Values |
|------------------------------------|-------------|-----------------|
| Sodium Bisulfate CAS# 7681-38-1 | ACGIH (TWA) | Not established |
| | NIOSH (REL) | Not established |
| | OSHA (PEL) | Not established |

| | |
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| 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. Wash contact areas with soap and water after use. |

9. Physical and Chemical Properties

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|------------------------------------|------------------------------|--------------------------------------|--------------------|
| Flashpoint: | Not determined | Lower Flammability Limit: | Not determined |
| Auto ignition Temperature: | Not determined | Upper Flammability Limit: | Not determined |
| Boiling Point: | Not determined | Specific Gravity: | 1.06 – 1.07 |
| 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: | 1.4 – 2.4 |
| Odor/Appearance: | Odorless/Clear liquid | | |

10. Stability and Reactivity Data

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| Chemical Stability: | Product is stable under recommended conditions of use and storage. |
| Possibility of hazardous reactions: | Corrosive to aluminum. |
| Conditions to avoid: | Extreme heat and cold. |
| Materials to avoid: | Metals, strong bases, and alcohols. |
| Hazardous Decomposition Products | Thermal decomposition may release oxides of sulfur and oxides of sodium. |

11. Toxicological Information

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| Routes of Exposure: | Skin contact, eye contact, and ingestion. |
| Acute Toxicity (Sodium Bisulfate): | OECD Test Guideline 405: Eyes – Rabbit, Result - Risk of serious damage to eyes. |
| Subchronic/Chronic Toxicity: | No known effects from chronic exposure. |

12. Ecological Information

| | |
|---------------------------------------|---------------------|
| Persistence and degradability: | Data not available. |
| Bio-accumulative potential: | Data not available. |
| Mobility: | Data not available. |

Aquatic Toxicity:

| Test | Results | Comments |
|----------|--------------------|----------|
| Toxicity | Data not available | |

13. Disposal Considerations

Waste Disposal: Whatever cannot be saved for reclamation may be disposed by following local, state, and federal regulations.

14. Transport Information

US DOT Classification: Not regulated

15. Other Regulatory Information

Inventory Status: Components are listed in TSCA inventory.

US Regulations:

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.
 SARA (311/312) HAZARD CATEGORIES: Acute Health Hazard
 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
 EHS: Extremely Hazardous Substances
 EPA: Environmental Protection Agency
 GHS: Globally Harmonized System
 HMIS: Hazardous Materials Identification System
 mg/m3: Milligrams per Cubic Meter
 NFPA: National Fire Protection Association
 NIOSH: National Institute for Occupational Safety and Health
 n.o.s.: Not Otherwise Specified
 OECS: 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
 TSCA: Toxic Substances Control Act
 TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 2, Flammability 0, Reactivity 0, Protective Equipment e
 NFPA (U.S.A.): Health 2, Flammability 0, Reactivity 0

Prepared by: Michael Carlo

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Disclaimer

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End of SDS