

1. Identification

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

Revision Date: May 3, 2019
 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: 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 protective gloves/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 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

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

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

Precautions for Safe Handling:	Use proper personal protective equipment, see section 8. Avoid contact with material. Wash exposed areas 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**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

Ventilation:	Use with adequate ventilation.
Respiratory Protection:	Not necessary, but 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 splash goggles.
Skin Protection:	Chemical resistant gloves. Wash contact areas with soap and water after use.

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	Density (g/mL):	1.032 – 1.044
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:	≤ 2.0
Odor/Appearance:	Odorless/Clear liquid		

10. Stability and Reactivity Data

Chemical Stability:	Product is 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:	Extreme heat and cold.
Materials to Avoid:	Acids, bases, and oxidizing agents. Do not mix product with solutions of chlorine bleach, ammonia cleansers or similar materials.
Hazardous Decomposition Products:	Thermal decomposition may release oxides of sulfur and oxides of sodium.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, and ingestion.
Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	May cause skin irritation. Based on available data, classification criteria are not met.
Serious Eye Damage/Irritation:	Causes serious eye damage. Sodium Bisulfate OECD Test Guideline 405: Eyes – Rabbit, Result - Risk of serious damage to eyes.
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:	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:	Whatever cannot be saved for reclamation may be disposed by following local, state, and federal regulations.
------------------------	--

14. Transport Information

US DOT:	Not regulated.
IATA:	Not regulated.
IMDG:	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.
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
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
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
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 2, Flammability 0, Reactivity 0, Protective Equipment b
NFPA (U.S.A.): Health 2, Flammability 0, Reactivity 0

Revisions: Reviewed SDS, updated sections 9, 11, and 15. (05/03/2019)
Supersedes: March 4, 2015

Prepared by: Michael Carlo **Preparation date:** May 3, 2019

Disclaimer

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

End of SDS