

## 1. Identification

Common Name/ Trade Name: Material Uses:	<b>F/2 Algae Food B</b> Algae Growth Medium	Revision Date: April 15, 2019 Product Number: N/A
Supplier:	FRITZ INDUSTRIES, INC. 500 N. SAM HOUSTON ROAD MESQUITE, TX 75149	<b>In Case of Emergency:</b>  Week Days: (Monday – Friday 8-5): (972) 329-8800 (800) 955-1323
		CHEMTREC (7 days a week, 24 hours a day) (800) 424-9300

## 2. Hazard(s) Identification

Classification: Oxidizing Liquid, Category 3.

Labeling:

Symbol:



Signal Word: WARNING

Hazard Statement: H272 May intensify fire, oxidizer.

Precautionary Statements: P102 Keep out of reach of children.  
P210 Keep away from heat.  
P220 Keep/Store away from clothing and other combustible materials.  
P221 Take any precaution to avoid mixing with combustibles  
P233 Keep container tightly closed.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/eye protection/face protection.  
P370 + P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish fire.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

<b>Chemical Identity</b>	<b>Numbers of Identity</b>	<b>% by Weight</b>
Sodium Nitrate	CAS# 7631-99-4	<40

**4. First Aid Measures**

<b>Inhalation:</b>	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.
<b>Skin Contact:</b>	Remove contaminated clothing and wash contact areas with soap and water. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
<b>Eye Contact:</b>	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.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Give plenty of water to dilute. If nausea or gastric irritation develops, seek medical attention.

**5. Fire and Explosion Data**

<b>General Information:</b>	Product is not flammable or combustible.
<b>Suitable Extinguishing Media:</b>	Use suitable media to extinguish surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Specific Hazards in Case of Fire:</b>	Sodium nitrate is an oxidizer and will release oxygen gas upon decomposition, which may intensify the fire.
<b>Special Protective Equipment and Precaution for Fire Fighters:</b>	Full protective clothing and approved self-contained breathing apparatus required for fire personnel.

**6. Accidental Release Measures**

<b>Personal Precautions:</b>	Avoid contact with material. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.
<b>Environmental Precautions:</b>	Prevent from entering sewer and waterways.
<b>Methods and Materials for Containment and Cleaning Up:</b>	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**

<b>Precautions for Safe Handling:</b>	Use proper personal protective equipment, see section 8. Avoid contact with material. Wash exposed areas thoroughly after handling.
<b>Conditions for Safe Storage, including Incompatibilities:</b>	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	Reference	Limit Values
Sodium Nitrate CAS# 7631-99-4	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

<b>Ventilation:</b>	Use with adequate ventilation.
<b>Respiratory Protection:</b>	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.
<b>Eye Protection:</b>	Safety glasses with side-shields or chemical splash goggles recommended.
<b>Skin Protection:</b>	Gloves (rubber or equivalent) recommended. 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	Specific Gravity:	<b>1.32</b>
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm <sub>Hg</sub> :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	<b>Soluble</b>	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH:	<b>3.5 – 5.0</b>
Odor/Appearance:	<b>Mild odor/Pink liquid</b>		

**10. Stability and Reactivity Data**

**Chemical Stability:** Product is stable under recommended conditions of use and storage.  
**Possibility of Hazardous Reactions:** None known.  
**Conditions to Avoid:** Extreme heat and cold.  
**Materials to Avoid:** Strong acids, strong bases, and strong reducing agents.  
**Hazardous Decomposition Products:** None known.

**11. Toxicological Information**

**Routes of Exposure:** Skin contact, eye contact, and ingestion.  
**Acute Toxicity:** No data available.  
**Skin Corrosion/Irritation:** No data available.  
**Serious Eye Damage/irritation:** No data available.  
**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:** Not listed with TSCA.

**US Regulations:**

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.  
 SARA (311/312) Hazard Categories: No hazards listed.  
 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/m<sup>3</sup>: 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  
 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 0, Flammability 0, Reactivity 0, Protective Equipment b  
 NFPA (U.S.A.): Health 0, Flammability 0, Reactivity 0

### Revisions:

Added Oxidizing Liquid, Category 3 classification. (04/15/2019)  
 Added GHS03 pictogram. (04/15/2019)  
 Added signal word Warning. (04/15/2019)  
 Added hazard statement H272. (04/15/2019)  
 Added precautionary statements P102, P210, P220, P221, P233, P264, P280, P370 + P378 and P501. (04/15/2019)  
 Updated sections 11 and 15. (04/15/2019)

### Supersedes:

May 18, 2015

**Prepared by: Michael Carlo**

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### Disclaimer

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End of SDS