

1. Identification

Common Name/ Trade Name: Material Uses:	F/2 Algae Food A Algae Growth Medium	Revision Date: April 11, 2019 Product Number: N/A
Supplier:	FRITZ INDUSTRIES, INC. 500 N. SAM HOUSTON ROAD MESQUITE, TX 75149	In Case of Emergency: 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: Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2

Labeling:



Signal word: **WARNING**
 Hazard Statement: H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 Precautionary Statements: P102 Keep out of reach of children.
 P233 Keep container tightly closed.
 P264 Wash skin thoroughly after handling.
 P280 Wear eye protection/face protection/protective clothing/protective gloves.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P362 Take off contaminated clothing and wash before reuse.
 P332 + P313 IF skin irritation occurs: Get medical advice/attention.
 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

<u>Chemical Identity</u>	<u>Numbers of Identity</u>	<u>% by Weight</u>
Iron (III) Chloride	CAS# 7705-08-0	<2

4. First Aid Measures

Inhalation:	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:	Remove contaminated clothing and wash contact areas with soap and water. 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:	None known.
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
Iron (III) Chloride CAS# 7705-08-0	ACGIH (TWA)	1 mg/m ³
	NIOSH (REL)	1 mg/m ³
	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. Face shield recommended in case of splash hazard.
Skin Protection:	Chemical resistant gloves and apron. 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):	1.0236
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/Dark amber liquid		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of use and storage.
Possibility of Hazardous Reactions:	Product is not reactive under recommended conditions of use and storage.
Conditions to Avoid:	Extreme heat and cold.
Materials to Avoid:	Strong bases and Strong acids.
Hazardous Decomposition Products:	Hazardous decomposition products should not occur at ambient conditions.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, and ingestion.
Acute Toxicity:	Oral LD ₅₀ : No data available. Dermal LD ₅₀ : No data available. Inhalation LC ₅₀ : No data available.
Skin Corrosion/Irritation:	Causes skin irritation.
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 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.
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14. Transport Information

US DOT:	Not regulated.
UN Number:	3264
UN Proper Shipping Name:	Corrosive Liquid, Acidic, Inorganic, n.o.s. (contains Ferric Chloride)
Hazard Class:	8
Packing Group:	III
IATA:	UN3264, Corrosive Liquid, Acidic, Inorganic, n.o.s. (contains Ferric Chloride), 8, III
IMDG:	UN3264, Corrosive Liquid, Acidic, Inorganic, n.o.s. (contains Ferric Chloride), 8, III
	Marine Pollutant: Yes

15. Other Regulatory Information

Inventory Status:	Components are listed in TSCA inventory.
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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
LC₅₀: Lethal Concentration, half maximal
LD₅₀: Lethal Dose, half maximal
mg/m³: 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 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, 14, and 16 (04/11/2019)

Supersedes:

May 12, 2015

Prepared by: Michael Carlo

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Disclaimer

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End of SDS