

1. Identification

Common Name/ Trade Name: Maracyn 2 Material Uses: Aquarium product, antibiotic	Revision Date: April 25, 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:	Not classified under GHS	
Labeling	Symbol: Symbol not required. Signal Word: Signal word not required. Hazard Statement: Not a hazardous substance or mixture. Precautionary Statements: P102 Keep out of reach of children. P103 Read label before use. P264 Wash skin thoroughly after handling. P281 Use personal protective equipment as required.	
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>
Minocycline	CAS# 10118-90-8	<2.0

4. First Aid Measures

Inhalation:	If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Skin Contact:	In case of contact, remove contaminated clothing. Wash contact areas thoroughly with soap and water. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
Eye Contact:	In case of contact, do not rub eyes. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation develops and persists, seek medical attention.
Ingestion:	If ingested, remove material from mouth and rinse with water. If victim is conscious and alert, give water to dilute. Do not induce vomiting, unless directed by medical personnel. If nausea or gastrointestinal irritation develops, seek medical attention.

5. Fire and Explosion Data

General Information:	This material is not considered flammable or combustible.
Suitable Extinguishing Media:	Use any means suitable for extinguishing 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 firefighting personnel.

6. Accidental Release Measures

Personal Precautions:	Use proper personal protective equipment, see section 8.
Environmental Precautions:	Prevent release to sewers, waterways, and soil.
Methods and Materials for Containment and Cleaning Up:	Ventilate area. Isolate and contain spill. Use dry methods to collect spilled materials and place into an appropriate container for disposal. Avoid generating dust. Wash down area with water.

7. Handling and Storage

Precautions for Safe Handling:	For aquarium use only. 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 original container protected from direct sunlight in a dry, cool, and well-ventilated area. See section 10 for list of incompatibles.

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

Component Name (CAS-No.)	Reference	Limit Values
Minocycline CAS# 10118-90-8	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

Ventilation:	Use with adequate ventilation.
Respiratory Protection:	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.

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:	Not determined
Odor/Appearance:	Slight chemical odor/Solid		

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:	Moisture/high humidity.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	Hazardous decomposition products should not occur under ambient conditions.

11. Toxicological Information

Routes of Exposure:	Eye contact, skin contact, ingestion, and inhalation.
Acute Toxicity:	Oral LD ₅₀ : No data available. Dermal LD ₅₀ : No data available. Inhalation LC ₅₀ : 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 Toxicity:	No data 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
Acute Toxicity	No data available	

13. Disposal Considerations

Waste Disposal:	Dispose material according to local, state, and federal 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 are listed in TSCA inventory or are exempt.
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US Regulations:

SARA 302 EHS Chemicals:	This material does not contain any SARA 302 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 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
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
n.o.s.: Not Otherwise Specified
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
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:

Reviewed SDS, updated sections 11 and 15. (04/25/2019)

Supersedes:

December 4, 2014

Prepared by: Michael Carlo

Preparation date: April 25, 2019

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End of SDS

