

**1. Identification**

Common Name/  
Trade Name: **Mardel Maracyn 2**  
Material Uses: Aquarium product, antibiotic

Revision Date: December 4, 2014

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: Not classified under GHS

Labeling  
Symbol: Symbol not required  
Signal word: Signal word not required  
Hazard Statement: No acute health effects are known for this material.  
Precautionary Statements: P102 Keep out of reach of children  
P103 Read label before use  
P264 Wash thoroughly after handling

Other hazard information:

Physical/Chemical Hazards: No additional hazards  
Health Hazards: Inhalation of dust may irritate mucous membranes and upper respiratory tract.  
Environmental Hazards: No additional hazards

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

Minocycline

**Numbers of Identity**

Not available

**% by Weight**

Proprietary

**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**

<b>Personal precautions:</b>	Use proper personal protective equipment, see section 8.
<b>Environmental precautions:</b>	Prevent release to sewers, waterways, and soil.
<b>Methods and materials for containment and cleaning up:</b>	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**

<b>Precautions for safe handling:</b>	For aquarium use only. Use proper personal protective equipment, see section 8. Wash thoroughly after handling.
<b>Conditions for safe storage, including incompatibilities:</b>	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****Information on the system design:**

Exposure Limits:	Component Name (CAS-No.)	Reference	Limit Values
	Minocycline	ACGIH (TWA)	Not established
		NIOSH (REL)	Not established
		OSHA (PEL)	Not established

<b>Ventilation:</b>	Use with adequate ventilation.
<b>Respiratory protection:</b>	If ventilation is inadequate or user generates dust, use an OSHA/MSHA respirator approved for dusts/particulates.
<b>Eye protection:</b>	Safety glasses with side-shields or splash goggles.
<b>Skin protection:</b>	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 <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:	Not determined
Odor/Appearance:	<b>Slight chemical odor/Solid</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:	Moisture/High humidity.
Materials to avoid:	None known.
Hazardous Decomposition Products:	None known.

**11. Toxicological Information**

Routes of Exposure:	Eye contact, skin contact, ingestion, and inhalation.
Acute Toxicity:	Data not available.
Subchronic/Chronic Toxicity:	Data not available.

**12. Ecological Information**

<b>Persistence and degradability:</b>	No data available.
<b>Bio-accumulative potential:</b>	No data available.
<b>Mobility:</b>	No data available.

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**

<b>US DOT Classification:</b>	Not Regulated
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## 15. Other Regulatory Information

Inventory Status:

Components are listed in TSCA inventory or are exempt.

### 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.

## 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  
MSHA: Mine Safety and Health Administration  
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  
TSCA: Toxic Substances Control Act  
TWA: Time weighted average

### Additional Information:

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

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### Disclaimer

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End of SDS