

## 1. Identification

Common Name/ Trade Name:	<b>MaracynOxy</b>	Revision Date:	April 23, 2019
Material Uses:	Aquarium product, anti-fungal	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: Skin Corrosion/Irritation, Category 2  
Serious Eye Damage/Irritation, Category 2

Labeling

Symbol: 

Signal Word: **WARNING**

Hazard Statement: H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary Statements: P102 Keep out of reach of children.  
P103 Read label before use.  
P221 Take precaution to avoid mixing with combustibles.  
P233 Keep container tightly closed.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: wash with plenty of soap and water.  
P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
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: Vapor or mist may irritate respiratory tract.  
Environmental Hazards: No additional hazards

## 3. Composition and Information on Ingredients

<b>Chemical Identity</b>	<b>Numbers of Identity</b>	<b>% by Weight</b>
Proprietary	Proprietary	4 - 5
Water	CAS# 7732-18-5	>95

**4. First Aid Measures**

<b>Inhalation:</b>	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.
<b>Skin Contact:</b>	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.
<b>Eye Contact:</b>	In case of contact, do not rub eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, seek medical attention.
<b>Ingestion:</b>	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**

<b>General Information:</b>	This material is not considered flammable or combustible, but when combustibles are wetted with this material and subsequently dried they are easily ignited and burn vigorously.
<b>Suitable Extinguishing Media:</b>	Water spray
<b>Unsuitable Extinguishing Media:</b>	Dry chemical and carbon dioxide (CO <sub>2</sub> ).
<b>Specific Hazards in Case of Fire:</b>	Thermal decomposition may release toxic fumes.
<b>Special Protective Equipment and Precaution for Fire Fighters:</b>	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

**6. Accidental Release Measures**

<b>Personal Precautions:</b>	Avoid contact with material. Remove sources of ignition. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.
<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. Recover material with an inert absorbent and placed into an appropriate container for disposal. DO NOT use rags, sawdust, or other combustible absorbents to recover spill. 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. Avoid contact with material. Wash exposed areas 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. Store away from combustibles, organics, and acids. See section 10 for list of incompatibles.

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

Component Name	Reference	Limit Values
MaracynOxy	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, 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 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:	<b>213°F</b>	Specific Gravity:	<b>1.07</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>12.5 – 13.0</b>
Odor/Appearance:	<b>Faint odor/Clear liquid with slight yellow tint</b>		

**10. Stability and Reactivity Data**

<b>Chemical Stability:</b>	Product is stable under recommended conditions of use and storage.
<b>Possibility of Hazardous Reactions:</b>	Reacts with acids, releasing toxic fumes.
<b>Conditions to Avoid:</b>	Direct sunlight, extreme heat and cold.
<b>Materials to Avoid:</b>	Combustibles, reducing agents, acids, powdered metals, and ammonium compounds.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may release toxic fumes. Evaporated residues, when heated, will release oxygen.

**11. Toxicological Information**

<b>Routes of Exposure:</b>	Eye contact, skin contact, ingestion, and inhalation.
<b>Acute Toxicity:</b>	Oral LD <sub>50</sub> : >3800 mg/kg, rat (by calculation) Dermal LD <sub>50</sub> : >2000 mg/kg, rabbit (by calculation) Inhalation LC <sub>50</sub> : >5.00 mg/L, rat (by calculation)
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation.
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye irritation.
<b>Respiratory/Skin Sensitization:</b>	No data available.
<b>Germ cell Mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	Not listed as a carcinogen with ACGIH, IARC, or NTP.
<b>Reproductive Toxicity:</b>	No data available.
<b>STOT, SE:</b>	May cause respiratory tract irritation. Based on available data, classification criteria are not met.
<b>STOT, RE:</b>	No data available.
<b>Other Chronic Toxicity:</b>	Repeated or prolonged exposure to skin may cause dermatitis. Repeated or prolonged exposure to vapor or mist may cause respiratory conditions of asthma, emphysema, chronic bronchitis, or obstructive lung disease.

**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.
<b>Aquatic Toxicity:</b>	

Test	Results	Comments
Toxicity	No data available	

**13. Disposal Considerations**

<b>Waste Disposal:</b>	Dispose material according to local, state, and federal regulations.
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**14. Transport Information**

**US DOT Classification:**

UN Number: 1908  
Proper Shipping Name: Chlorite Solution  
Hazard Class: 8  
Packing Group: II

**IATA:**

UN Number: 1908  
Proper Shipping Name: Chlorite Solution  
Hazard Class: 8  
Packing Group: II

**IMDG:**

UN Number: 1908  
Proper Shipping Name: Chlorite Solution  
Hazard Class: 8  
Packing Group: II

**Environmental Hazards:** Marine Pollutant

**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  
Chronic Health Hazard  
Fire 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 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  
 LC<sub>50</sub>: Lethal Concentration, half maximal  
 LD<sub>50</sub>: Lethal Dose, half maximal  
 mg/kg: Milligrams per kilogram  
 mg/L: Milligrams per Liter  
 mg/m<sup>3</sup>: 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 2, Flammability 1, Reactivity 1, Protective Equipment b  
 NFPA (U.S.A.): Health 2, Flammability 1, Reactivity 1

### Revisions:

Reviewed SDS, updated sections 11, 14 and 15 (04/23/2018)

### Supersedes:

October 22, 2014

**Prepared by: Michael Carlo**

**Preparation date: April 23, 2019**

### Disclaimer

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End of SDS