

1. Identification

Common Name/
Trade Name: **MaracynOxy**
Material Uses: Aquarium product, anti-fungal

Revision Date: October 22, 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: 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 thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

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. 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.

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, but when combustibles are wetted with this material and subsequently dried they are easily ignited and burn vigorously.

Suitable Extinguishing Media: Water spray

Unsuitable Extinguishing Media: Dry chemical and carbon dioxide (CO₂).

Specific Hazards in case of fire: Thermal decomposition may release toxic fumes.

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: Avoid contact with material. Remove sources of ignition. Use proper personal protective equipment, see section 8. Spilled material may cause a slipping hazard.

Environmental precautions: Prevent release to sewers, waterways, and soil.

Methods and materials for containment and cleaning up: 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

Precautions for safe handling: For aquarium use only. Use proper personal protective equipment, see section 8. Avoid contact with material. Wash 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. Store away from combustibles, organics, and acids. See section 10 for list of incompatibles.

8. Exposure Controls/Personal Protection

Information on the system design:

Exposure Limits:	Component Name	Reference	Limit Values
	MaracynOxy	ACGIH (TWA)	Not established
		NIOSH (REL)	Not established
		OSHA (PEL)	Not established

Ventilation: Use with adequate ventilation.

Respiratory protection: If user generates mist, use a respirator approved for mist.

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:	213°F	Specific Gravity:	1.07
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:	12.8
Odor/Appearance:	Odorless/Clear liquid with slight yellow tint		

10. Stability and Reactivity Data

Chemical Stability: Product is stable under recommended conditions of use and storage.

Possibility of hazardous reactions: Reacts with acids, releasing toxic fumes.

Conditions to avoid: Direct sunlight, extreme heat and cold.

Materials to avoid: Combustibles, reducing agents, acids, powdered metals, and ammonium compounds.

Hazardous Decomposition Products: Thermal decomposition may release toxic fumes. Evaporated residues, when heated, will release oxygen.

11. Toxicological Information

Routes of Exposure:

Acute Toxicity:

Eye contact, skin contact, ingestion, and inhalation.

LD₅₀: >3800 mg/kg, oral, rat (by calculation)LD₅₀: >2000 mg/kg, dermal, rabbit (by calculation)LC₅₀: >5.00 mg/L, inhalation, dust, rat (by calculation)

Subchronic/Chronic Toxicity:

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**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: Dispose material according to local, state, and federal regulations.

14. Transport Information**US DOT Classification:**

UN Number:

1908

Proper Shipping Name:

Chlorite Solution

Hazard Class:

8

Packing Group:

II

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

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 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 maximalLD₅₀: 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
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 3, Flammability 0, Reactivity 1, Protective
Equipment e
NFPA (U.S.A.): Health 3, Flammability 0, Reactivity 1

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End of SDS