

1. Identification

Common Name/
Trade Name: **Mardel Clout**
Material Uses: Aquarium product, fish treatment

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: Carcinogenicity, Category 2
Reproductive Toxicity, Category 2

Labeling

Symbol:



Signal word: WARNING

Hazard Statement: H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
Precautionary Statements: P102 Keep out of reach of children.
P103 Read label before use.

P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P263 Avoid contact during pregnancy/while nursing.
P270 Do not eat, drink or smoke when using this product.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.

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 | Numbers of Identity | % by Weight |
|--------------------------|----------------------------|--------------------|
| Cellulose | CAS# 9004-34-6 | 40 – 60 |
| Metronidazole | CAS# 443-48-1 | 20 – 40 |
| Trichlorfon | CAS# 52-68-6 | 1 – 2.5 |

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: Thermal decomposition may release oxides of carbon and oxides of nitrogen.
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. Avoid contact with material. Avoid breathing dust.

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. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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

Information on the system design:

| Exposure Limits: | Component Name (CAS-No.) | Reference | Limit Values |
|------------------|--------------------------------|-------------|----------------------|
| | Cellulose CAS# 9004-34-6 | ACGIH (TWA) | 10 mg/m ³ |
| | | NIOSH (REL) | 10 mg/m ³ |
| | | OSHA (PEL) | 15 mg/m ³ |
| | Metronidazole CAS# 443-48-1 | ACGIH (TWA) | Not established |
| | | NIOSH (REL) | Not established |
| | | OSHA (PEL) | Not established |
| | Trichlorfon CAS# 52-68-6 | ACGIH (TWA) | 1 mg/m ³ |
| | | NIOSH (REL) | Not established |
| | | OSHA (PEL) | Not established |

Ventilation: Use with adequate ventilation.

Respiratory protection: If ventilation is inadequate or user generates dust, use an OSHA/MSHA respirator approved for dusts/particulates.

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: | Odorless/Blue-green 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: Acids and oxidizers.
 Hazardous Decomposition Products: Thermal decomposition may release oxides of carbon and oxides of nitrogen.

11. Toxicological Information

Routes of Exposure: Eye contact, skin contact, ingestion, and inhalation.
 Acute Toxicity: Data not available.
 Sub-chronic/Chronic Toxicity: IARC: Carcinogenicity – Group 2B, Possibly carcinogenic to humans (Metronidazole)
 NTP: Reasonably anticipated to be a human carcinogen (Metronidazole)

12. Ecological Information

Persistence and degradability: No data available.
Bio-accumulative potential: No data available.
Mobility: No data available.

Aquatic Toxicity:

| Test | Results | Comments |
|--|---------------------------------------|-----------------|
| Blue Gill (<i>Lepomis macrochirus</i>) | LC ₅₀ : 3 – 8 ppm, 96 hour | OECD Method 203 |
| Striped Bass Fingerlings (<i>Morone saxatilis</i>) | LC ₅₀ : 5.2 ppm, 96 hour | OECD Method 203 |

13. Disposal Considerations

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

14. Transport Information

US DOT Classification: Not regulated as dangerous goods

IMDG (Marine Transport):

Proper shipping name: Environmentally Hazardous Substance, Solid, N.O.S. (Trichlorfon)
 UN number: 3077
 Hazard Class: 9
 Packing Group: III

IATA/ICAO (Air)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Trichlorfon)
 UN number: 3077
 Hazard Class: 9
 Packing Group: III

15. Other Regulatory Information**US Regulations:**

Inventory Status: Not all components are listed in TSCA inventory.
 SARA 302 EHS Chemicals: This material does not contain any SARA 302 extremely hazardous substances.
 SARA (311/312) HAZARD CATEGORIES: Acute Health Hazard.
 Chronic Health Hazard.
 SARA 313: Trichlorfon (CAS# 52-68-6), 1.0% de minimis concentration.
 EPA CERCLA/Superfund Reportable Spill Quantity: Trichlorfon (CAS# 52-68-6), 100 lb RQ.

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
 IARC: International Agency for Research on Cancer

LC₅₀: Lethal Concentration, half maximal
lb: Pound
mg/m³: Milligrams per Cubic Meter
MSHA: Mine Safety and Health Administration
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
PPM: Parts per Million
REL: Recommended Exposure Limit
RQ: Reportable Quantity
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

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

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End of SDS