

Material Safety Data Sheet

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54 E. Spring Valley Pike
Dayton, OH 45458

(937)291-1070

For Poison Control Information,
please contact your regional Poison Control Center.

Product Identity: Metro-MS

Section I. Hazardous Ingredients / Identity Information

Metronidazole 100% CAS #443-48-1

Health Hazard	2
Fire Hazard	1
Reactivity	0

Section II. Physical/Chemical Characteristics

Boiling Point: Not available Specific Gravity (H₂O = 1): Not available
Vapor Pressure (mm Hg.): Not applicable Melting Point: 159°C (318.2°F)
Vapor Density (Air = 1): Not available
Solubility in water: Very soluble
Appearance and Odor: White to light yellowish powder with slight odor.

Section III. Fire and Explosion Hazard Data

May be combustible at high temperature.
Flash Point (Method Used): Not Available Flammable Limits: Not Available
Extinguishing Methods:
 Small Fire: Use DRY chemical powder.
 Large Fire: Use water, fog or foam. Do not use water jet.
Unusual Fire and Explosion Hazards: Not available.

Section IV. Reactivity Data

Stability: Stable
Incompatibility (Materials to avoid): oxidizing agents.
Polymerization: Will not occur

Section V. Health Hazard Data

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.
Health Hazards:
 Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant),
 of inhalation.
 Hazardous in case ingestion.
 Slightly hazardous in case of skin contact (corrosive).

Section V. Health Hazard Data continued

Carcinogenicity: Classified 2 (Reasonably anticipated) by NTP.

This substance is toxic to mucus membranes.

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Section VI. First Aid Procedures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyes open. Cold water may be used. Do not use an eye ointment. Get medical attention immediately.

Skin Contact: In case of contact wash immediately with plenty of water. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Remove contaminated clothes and shoes. Wash clothing and shoes thoroughly before re-using.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

Serious Inhalation: Evacuate victim to a safe area immediately. Loosen tight clothing such as a tie, belt or waistband. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. If victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention immediately.

Section VII. Precautions for Safe Handling and Use

Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical attention. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep in cool ventilated area out of reach of children. Keep container tightly closed and sealed until ready to use.

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional requirements.

Large Spill: Use a shovel to put the inert material in a convenient waste disposal container. Finish by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Follow all state, federal, and local waste disposal guidelines.

Section VIII. Protection Measures

Personal Protection: Safety glasses, lab coat and gloves (impervious). Wear appropriate respirator when ventilation is inadequate.

This product is bottled and labeled for use only with ornamental fish. Not for use with fish used for human consumption. Any other use is neither stated nor implied.