

# AQUARIUM SOLUTIONS® METRO+™

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## 1. Product Identification

**Synonyms:** None

**CAS No.:** Mixture.

**Molecular Weight:** N/A

**Chemical Formula:** N/A

**Product Codes:** 73510, 73511

## 2. Hazards Identification

**The following statements are applicable only to the dry powdered, active ingredient which is present at a concentration of less than 4% in this product.**

**Hazard Classification:** None.

**Signal Word:** Warning.

**Hazard Statement(s):** Suspected of causing cancer.

**Pictograms/Hazard Symbols:**



**Precautionary Statement:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. If exposed or concerned: Get medical advice attention. Store locked up. Dispose of contents/container to an approved waste disposal plant. Avoid breathing dust. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed in the workplace. Wash contaminated clothing before reuse. Avoid release to the environment. Wear protective gloves. IF SWALLOWED: Call a POISON CONTROL CENTER or doctor/physician if feeling unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.

**Description of Any Hazards Not Otherwise Classified:** None.

**Ingredients With Unknown Toxicity:** None.

### 3. Composition/Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Sodium Chloride	7440-23-5	>98	No
Metronidazole	443-48-1	<4	Yes
Proprietary Ingredients	*	<2	No

\*These specific chemical identity and/or exact percentage of composition have been withheld a trade secret.

### 4. First Aid Measures

**General Advice:** Consult a physician. Show this safety data sheet to the physician in attendance. Move out of the dangerous area.

**If Inhaled:** If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**If Ingested:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**In Case of Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting and lowering upper eyelids occasionally. Consult a physician.

### 5. Fire Fighting Measures

This product is not considered to be a fire hazard.

**Fire:** Not combustible.

**Explosion:** This product is not an explosion hazard.

**Fire Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Special Hazards Arising From The Substance Mixture:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

**Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved, self-contained, breathing apparatus with full face piece in the pressure demand or other positive pressure mode.

### 6. Accidental Release Measures

**The following statements are applicable only to the dry powdered, active ingredient which is present at a concentration of less than 4% in this product.**

**Personal Precautions:** Wet floors may become slippery. Use appropriate caution when walking through spills. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Emergency Procedures:** Wash down floors with water to remove slipping hazard.

**Methods & Materials for Containment:** None.

**Cleanup Procedures:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed container for disposal.

### 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Incompatibilities:** None.

**Ventilation Requirements:** Provide appropriate exhaust in places where dust may be formed.

**Conditions For Proper Storage:** Keep container tightly closed in a dry and well ventilated place. Recommended storage temperature 2 - 8° C.

## 8. Exposure Controls/Personal Protection

**Airborne Exposure Limits:** None established.

**Ventilation System:** None required.

**Personal Respirators (NIOSH Approved):** None required.

**Skin Protection:** None required.

**Eye Protection:** Use chemical safety goggles and/or full face shield where splashing of solutions possible. Maintain eye wash fountain in work area.

**Additional Precautions:** (1) persons with pre-existing skin disorders or eye irritations should avoid contact with eyes and skin (2) keep container upright and tightly closed when not in use (3) do not add any other materials to the container (including unused material originally removed from the container).

## 9. Physical and Chemical Properties

**Appearance:** White to off-white powder.

**Odor:** Odorless to mild.

**Odor Threshold:** Not established.

**pH:** Not determined (non-aqueous solution).

**Melting Point:** Not determined.

**Boiling Point:** Not determined.

**Flammability:** NFPA Flammability Rating: 0.

**Upper/Lower Flammability or Explosive Limits:** Not flammable or explosive.

**Vapor Pressure (mm Hg):** No information found.

**Vapor Density (Air=1):** Not determined.

**Density:** Not determined.

**Solubility:** Soluble in water.

**Partition Coefficient (n-octanol/water):** Not determined.

**Flash Point:** Not determined.

**Decomposition Temperature:** Not determined.

**Viscosity:** Not determined.

## 10. Stability and Reactivity

**Stability:** Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Strong acids, strong oxidizing agents.

**Conditions to Avoid:** Wetting (always keep material dry until use).

## 11. Toxicological Information

**The following statements are applicable only to the dry powdered, active ingredient which is present at a concentration of less than 4% in this product.**

**Likely Routes of Exposure:** Skin contact.

**Effects of Short- and Long-term Exposure:** Not known.

**Acute Toxicity:** LD50 Oral – Rat: 3,000 mg/Kg (for Metronidazole)

**Symptom of Exposure:** Behavioral: Somnolence (general depressed activity).

Cyanosis Nutritional & Gross Metabolic:  
Changes In: Body temperature decrease.  
Inhalation: No data available.

Dermal: No data available.

**Skin Corrosion/Irritation:** No data available.

**Serious Eye Damage/Eye Irritation:** No data available.

**Respiratory or Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACHIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies exists.

IARC: 2B – Group 2B: Possibly carcinogenic to humans (Metronidazole)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: Reasonably anticipated to be a human carcinogen (Metronidazole)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity – Single Exposure:** No data available.

**Specific Target Organ Toxicity – Repeated Exposure:** No data available.

**Aspiration Hazard:** No data available.

**Additional Information:** RTECS: NI5600000 Paresthesia, to the best of our knowledge, the chemical, physical and toxicological properties have been thoroughly investigated.

**Listed in the National Toxicological Program (NTP) Report of Carcinogens (latest edition):** No.

**Listed in the International Agency of Research on Cancer (IARC) Monographs (latest edition):** No.

**Found to be a Potential Carcinogen by OSHS:** No.

## 12. Ecological Information

**The following statements are applicable only to the dry powdered, active ingredient which is present at a concentration of less than 4% in this product.**

**Environmental Fate:** Not known.

**Environmental Toxicity:** Toxicity to fish (*Oncorhynchus mykiss* – rainbow trout): LC50 – 100 mg/L – 96 hour mortality NOEC, toxicity to fish (*Danio rerio* – zebra fish): LC50 – 500 mg/L – 96 hour mortality, toxicity to daphnia (*Daphnia magna* – water flea) and other aquatic invertebrates EC50 – 1,000 mg/L – 48 hour mortality.

**Persistence & Degradability:** No data available.

**Bio-Accumulative Potential:** No data available.

**Mobility in Soil:** No data available

**Results of PBT & vPvB Assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other Adverse Effects:** No data available.

## 13. Disposal Considerations

Whatever cannot be saved for recovery, reuse or recycling should be handled properly and can be washed down into a sanitary sewer. State and local disposal regulations may differ from federal disposal regulations. Container and unused contents are not hazardous. Container may

be rinsed with water and recycled as household waste.

## 14. Transport Information

**D.O.T. Hazard Classification:** None.  
**D.O.T. Label/Placards:** None required.  
**UN or NA Number:** None.  
**Reportable Quantity:** None.  
**Proper Shipping Name:** Chemical N.O.S.

## 15. Regulatory Information

**The following statements are applicable only to the dry powdered, active ingredient which is present at a concentration of less than 4% in this product.**

**California Prop. 65 Components:** WARNING! This product contains a chemical known to the State of California to cause cancer.

## 16. Other Information

**Product Use:** Consumer disease treatment for freshwater and marine fishes.  
**Revision Information:** Revised 04/30/2026.

### Disclaimer:

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