

# MATERIAL SAFETY DATA SHEET

DATE REVISED: 11/16/2006  
REASON REVISED: Intl. Release  
MSDS No.:M672001

## AQUAMIRA PART A

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **AQUAMIRA WATER TREATMENT DROPS PART A**  
Product Description: WATER TREATMENT  
Product Code: 67200

**MANUFACTURER:**  
AQUAMIRA TECHNOLOGIES, INC.  
917 West 600 North, Ste 105  
Logan, Ut 84321

**24 HR. EMERGENCY TELEPHONE  
NUMBERS**  
Emergency Phone: 1-800-255-3924  
**Outside US (Collect) USA 813-248-0585**

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Registry #</u>
2% Stabilized Chlorine Dioxide	19949-04-4

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### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Irritating to eyes.

**SKIN:** May cause irritation; prolonged contact may cause dermatitis.

**INGESTION:** Harmful if swallowed; may cause irritation of the gastrointestinal tract, nausea, vomiting and diarrhea.

**INHALATION:** Irritating; may cause sore throat, coughing, and difficulty breathing.

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### 4. FIRST AID MEASURES

**EYES:** Flush with large amounts of water for at least 15 minutes holding eyelids open. Get medical attention.

**SKIN:** Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use.

**INGESTION:** If conscious, give water to rinse mouth, then one glass to drink. Treat symptomatically. Do not induce vomiting in an unconscious person. Never give anything by mouth to an unconscious or convulsing person. Seek medical advice.

**INHALATION:** Move to fresh air. Seek medical attention if person is experiencing respiratory distress.

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## 5. FIRE FIGHTING MEASURES

Flash Point & Method: Not flammable unless evaporated to dryness.

Upper & Lower Explosive Limits: LEL 10%

Auto Ignition Temperature: N/A

Extinguishing Media: Flood with water. Apply from a safe distance.

FIREFIGHTING PROCEDURES: Use that of surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Chlorine Dioxide in higher concentrations is an oxidizing material which increases the flammability of combustible, organic, or other readily oxidizable materials.

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## 6. ACCIDENTAL RELEASE MEASURES

SPILLS: Flush with water to dilute. Do not allow contact with rags, paper or other oxidizable materials. Prevent contact with acids. Do not allow to dry. Keep out of water supply. Flush area with water after liquid is removed.

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## 7. HANDLING AND STORAGE

HANDLING: Provide appropriate ventilation. Avoid contact with skin, eyes and clothing. Do not allow solution to evaporate to dryness. Do not breathe vapors or mists.

STORAGE: Avoid heat, freezing and ultraviolet light. Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep away from incompatible materials.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

WORK HYGIENE PRACTICES: Provide a safety shower and eyewash close to where this material is being used.

EYES AND FACE: Use safety glasses with side shields.

RESPIRATORY: If respiratory protection is used, filters should be suitable for use in a chlorine or chlorine dioxide atmosphere, as necessary.

SKIN: Wear rubber gloves. Wash thoroughly after handling. Provide body protection as necessary to prevent skin contact.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear pale yellow green

Odor: Slight chlorine like odor.

Vapor Pressure: Approximates water

Vapor Density (Air = 1): Not determined

Boiling Point: 100±°C 212±°F

Solubility in water: Soluble

pH: 9

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## 10. STABILITY AND REACTIVITY

STABILITY: Stable; avoid heat, drying, freezing and ultraviolet light.

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION: Thermal decomposition will produce toxic chlorine gas.

INCOMPATIBLE MATERIALS: Contact with acids, organic materials, reducing agents, and chlorine donors will release toxic chlorine dioxide.

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## 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause eye irritation.

SKIN EFFECTS: May cause skin irritation.

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## 12. ECOLOGICAL INFORMATION

COMMENTS: Chlorine Dioxide in higher concentrations is toxic to fish and aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state and national legislation.

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## 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

Hot Hazard: No

Combustible Hot Drum: No

Combustible Class: No

Hazard Class: None

NA/UN Number: None

Packing Group: None

Reportable Quantity (RQ) Under CERCLA: N/A

U.S. Surface Freight Class: N/A

Bulk Freight Class: N/A

Marine Pollutant #1: N/A

Marine Pollutant #2: N/A

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## 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories:

Fire: Yes Pressure Generating: No Reactivity: No Acute: Yes Chronic: No

313 Does not contain hazardous components subject to reporting requirements.

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## 16. OTHER INFORMATION

MANUFACTURER DISCLAIMER: Information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and for the safety and health of employees.