

# MATERIAL SAFETY DATA SHEET

MSDS DATE: 12/15/10

## SHOCKWAVE™ GREEN24

Per OSHA-recommended ANSI Z400.1-2004 standard format  
& in accordance with European standard format

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ShockWave® Green24 Botanical and Silver Disinfectant  
**Product Description:** EPA Registered Ready-to-Use Disinfectant/Fungicide  
**Product Code:** 8319  
**Company:** Fiberlock Technologies  
150 Dascomb Road  
Andover MA, 01810  
Tel: 800.342.3755  
**Emergency Phone:** 24 Hour Contact: CHEM-TEL: (800) 255-3924  
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous:** None of the ingredients is considered hazardous according to the criteria of 29CFR1910.1200 and DOT Reg 49 CFR 172. Ingredients are listed for informational purposes to assist emergency medical response personnel.

Chemical Name	CAS#	Percent	OSHA PEL	ACGIH TLV	NIOSH REL
Water	7732-18-5	>95	None	None	None
Citric Acid	77-92-9	4.85	None	None	None
Silver Ions		.0030	None	None	None

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Health Hazards:** Direct contact may cause slight eye irritation.

#### HMIS Rating

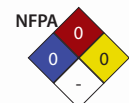
Health	0
Flammability	0
Reactivity	0

### SECTION 4: FIRST AID MEASURES

**Eyes:** Hold eyelids open and flush thoroughly with a steady, gentle stream of water for at least 15 minutes. Get medical attention if irritation persists.  
**Skin:** If irritation occurs, rinse with water. Get medical attention if irritation persists. Does not stain skin.  
**Ingestion:** Do not induce vomiting. If irritation occurs consult a physician.  
**Inhalation:** If breathing is affected, remove victim to fresh air and call a physician

### SECTION 5: FIRE-FIGHTING MEASURES

**Flammability:** Not Flammable; Not combustible  
**Flammable Limits:** N/A  
**Extinguishing Media:** N/A  
**Fire and Explosion Hazards:** None



### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Small spills: Contain spill. Flush to sanitary sewer. Rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up with inert absorbent. Prevent runoff to creeks and waterways.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Rinse with water if any irritation occurs. Keep container tightly closed when not in use.  
**Storage:** Store in a cool, dry place. Do not contaminate food, feed, or drinking water. Keep from freezing. Keep out of direct sunlight.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

No special protection or precautions have been identified for using this product under directed consumer use conditions. The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure.

**Hygienic Practices:** Avoid contact with eyes, skin and clothing. If irritation occurs, flush thoroughly with water after direct contact.  
**Engineering Controls:** Use general ventilation to minimize exposure to vapor or mist. Eyewash station is suggested.  
**Personal Protective Equipment:** None required by OSHA or NIOSH; however, to prevent irritation, wear safety glasses and use gloves if in direct contact with liquid for prolonged periods

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Thin clear liquid	<b>Vapor Pressure:</b>	20mm Hg @ 68 F	<b>VOC Content</b>	0.00%
<b>Odor:</b>	No odor	<b>pH</b>	2.0	<b>Vapor Density(AIR = 1):</b>	>1
<b>Boiling Point:</b>	212°F	<b>Solubility in Water:</b>	Total	<b>Specific Gravity:</b>	1
<b>Evaporation Rate (Water=1):</b>	<1	<b>Color:</b>	Clear	<b>Percent Volatile</b>	98+