

# MATERIAL SAFETY DATA SHEET

(Essentially similar to OSHA form 174, Sept. 1985 - For Compliance with OSHA's Hazard Communication Standard, 29CFR 1910.1200)

## Section I - Product Identity:

## AfterShock™ Fungicidal Coating (8390)

Manufacturer's Name:

Date of Preparation: March 26, 2004

Fiberlock Technologies, Inc.  
150 Dascomb Road  
Andover, MA 01810

EPA Reg. No. 73884-1

Information Telephone Number: (978) 623-9987

Emergency Telephone Numbers:

Weekdays: (978) 623-9987

After hours, weekends & holidays: (978) 887-5926, or

"CHEM-TEL" Emergency Contact Number: (800) 255-3924

## Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENT	COMMON NAME(S)	%	CAS. NO.	OSHA OR PEL	ACGIH TLV
Titanium dioxide	(same)	<25.0	13463-67-7		ACGIH TWA 10 mg/m <sup>3</sup>

Note: Normal application procedures pose no hazard since titanium dioxide is wetted and encapsulated, but grinding or sanding dried films of this product may yield respirable titanium dioxide dusts. Control exposures to less than 0.1 mg/m<sup>3</sup> using NIOSH-approved dust filter respirators.

## Section III - Physical/Chemical Characteristics [See reference note(s) No. 1, 2 on Reverse]

Boiling Points of Major Constituent: (Water)	212°F	Specific Gravity (H <sub>2</sub> O=1) Wgt./gal.	1.18
Vapor Pressure (P/kPa) @ 68°F	2.339	Melting Point Water (Ice)	32°F
Vapor Density (AIR=1) Heavier Lighter	X	Evaporation Rate (Butyl Acetate=1)	Slower
Solubility in Water	Total	Appearance and Odor	Viscous liquid; none Maximum VOC's 380 g/l (3.2 lbs/gal)

## Section IV - Fire and Explosion Hazard Data (Nonflammable)

Flash Point: >230°F	Flammable Limits: LEL: N/A UEL:N/A	DOT Hazard Class: Not Regulated	Marking: "Keep From Freezing"
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## Section V - Reactivity Data

Hazardous polymerization: Will not occur.

Stability: Stable

Incompatibility: Avoid contact with: Strong oxidizing agents (e.g., nitric acid, permanganates), etc.

Hazardous decomposition products: Some carbon monoxide.

## Section VI - Health Hazard Data, Toxicity Data

Route(s) of Entry: N/A

Carcinogenicity?: See note below\*

Health Hazards (Acute and Chronic): N/A

Have the product label or MSDS with you when calling a poison control center or doctor, or going for treatment.

FIRST AID PROCEDURES: IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes, Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth, if possible. Call a poison control center or doctor for further treatment advice. IF SWALLOWED: Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

\*NOTE: These products contain chlorothalonil, which is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

## SUPPLEMENTAL INFORMATION

To comply with New Jersey DOH Right-To-Know labeling law (N.J.A.C. 8:59 - 5.1 & 5.2)

CAS. No.: 7732-18-5  
13463-67-7  
25265-77-4  
57-55-6  
Not Avail.\*

CHEMICAL INGREDIENTS:  
Water  
Titanium dioxide  
2,2,4-Trimethyl-1,3-pentenediol monoisobutyrate  
Propylene glycol  
Latex resin solids

\*Contents partially unknown

HMIS HAZARD RATING			
Health 1	Flammability 0	Reactivity 0	Personal Protection E
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE			
E=Safety Glasses, Gloves, and Protection Clothing for all applications			

## Section VII: Precautions for Safe Handling and Use

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep unnecessary people away. Floor may be slippery; use care to avoid falling. Dike and contain material with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PESTICIDE STORAGE:** Maximum storage temperature 100°F. Close container after each use. Keep from freezing.

**OTHER PRECAUTIONS:** Do not get in eyes. Avoid skin contact. Prevent prolonged or repeated breathing of vapors or spray mists. Do not handle until the manufacturer's safety precautions and label instructions have been read and understood. Avoid breathing sanding dust. Do not apply this product in or on electric equipment due to the possibility of shock hazard.

## Section VIII: Control Measures

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**RESPIRATORY PROTECTION:** None required if good ventilation is maintained. Wear respirator (MSHA/NIOSH-approved or equivalent) suitable for concentrations and types of air contaminants encountered. Use approved chemical/mechanical filters designed to remove particulates in open and restricted ventilation areas. Use MSHA/NIOSH-approved airline type respirators or hood in confined areas.

**VENTILATION:** Sufficient ventilation, in pattern and volume, should be provided to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29CFR Part 1910.94.

**PROTECTIVE GLOVES:** Impervious gloves should be worn if prolonged skin contact is likely. Use neoprene or rubber gloves to prevent prolonged skin contact.

**EYE PROTECTION:** Use safety eyewear including side shields, face shields, or chemical splash goggles (ANSI Z87.1 or approved equivalent).

**OTHER PROTECTIVE EQUIPMENT:** Use disposable or impervious clothing if work clothing contamination is likely. Use protective cream if prolonged skin contact is likely.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using the washroom. Food or beverages should not be consumed anywhere this product is being applied.

## References:

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1. Sax, N.I., "Dangerous Properties of Industrial Materials", 8th ed., Van Nostrand Reinhold Company, Inc., NY, 1992.
2. American Conference of Governmental Industrial Hygienists, "TLV's and Biological Exposure Indices" for the current year (published annually).
3. U.S. Code of Federal Regulations (CFR) U.S. Dept. of Labor, No. 29, Parts 1900 to 1910.1200. OSHA Communications Standard 29 CFR 1910.1200.
4. Sax, N.I., R.J. "Hazardous Chemicals Desk Reference", Van Nostrand Reinhold Co., Inc., NY, 1987.
5. Fire Protection Guide to Hazardous Materials, 12th edition, National Fire Protection Association, Quincy, MA, 1997.
6. Title III List of Lists, U.S. Environmental Protection Agency publication EPA 560/4-90-011, January 1990.