

# 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:

Manufacturer's Name:  
Fiberlock Technologies, Inc.  
150 Dascomb Road  
Andover, MA 01810

## Street Fighter™ Premium Component A (Product No. 5120)

Date of Preparation: January 8, 2002  
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	%	CAS NO.	OSHA PEL	OR	ACGIH TLV
Titanium Dioxide	(same)	<25.0	13463-67-7	ACGIH TWA 10 mg/m <sup>3</sup>		
Propylene glycol monomethyl ether acetate	(same)	31	108-65-6	TLV 100		
*Aromatic Naphtha	Aromatic Naphtha	3	1330-20-7	100 ppm		

Note: This product also contains calcium carbonate, kaolin, or other pigments considered as 'nuisance dusts'. Exposures to spray mists or sanding dusts should be controlled to below 2 mg/m<sup>3</sup> through usage of NIOSH-approved dust filter respirators. See note (+) below.

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

Boiling Range of major constituent (Aromatic Naphtha)	139-140°F	Specific Gravity (H <sub>2</sub> O=1) WGT/GAL, LBS:	10 - 11.5 (varies)
Vapor Pressure (mm Hg)@100°C (Aromatic Naphtha)	10 mm @ 28.3°C	Melting Point	N/A
Vapor Density (AIR=1) (Aromatic Naphtha) Heavier Lighter	X	Evaporation Rate (Butyl Acetate=1) Min. Spirits:	0.7
Solubility in Water	NIL	Appearance: Viscous liquid Odor: Slight acetate odor	Max VOC's 550 g/l (combined components)

## Section IV - Fire and Explosion Hazard Data

Flash Point: 80°F SETA	Flammable Limits: LEL:1.1% UEL:7.0%	DOT Hazard Class: 3 Flammable Liquid	DOT ID#: UN-1307
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See page 2 for information on recommended EXTINGUISHING MEDIA, SPECIAL FIRE FIGHTING PROCEDURES and UNUSUAL FIRE AND EXPLOSION HAZARDS.

## Section V - Reactivity Data

(see reverse side for this section)

## Section VI - Health Hazard Data, Toxicity Data: Xylol; lhl - rat LC<sub>50</sub>: 3400 ppm/4H

Route(s) of Entry: Inhalation, Skin, Ingestion

Carcinogenicity?: No.

Health Hazards (Acute and Chronic): Note: Intentional misuse by deliberately concentrating and inhaling fumes may be harmful or fatal.

### EFFECTS OF OVEREXPOSURE:

ACUTE (Short Term): Anesthetic. Irritant. May cause headache and nausea. Irritation of the respiratory tract or central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. CHRONIC (Long Term): May cause respiratory sensitization, liver or kidney damage. May cause skin sensitization. Permanent central nervous system changes can occur because of solvent exposure.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Respiratory allergies. Chronic diseases of the skin, nose, throat, and lungs, central nervous system, liver, kidney, blood, eyes.

### EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

SPLASH (EYES): Flush eyes immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment. SPLASH (SKIN): Wash affected skin areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. INGESTION: If swallowed, call a physician immediately. Never give anything by mouth to an unconscious person. Treat symptomatically.

\*Note: this product contains this toxic chemical 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.

Note: Per 29CFR 1910.1200 (g)(2)(i)(C)(2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

**NOTES:** + combined componentets "A" and "B" will have the hazards of both components. Be sure to read the MSDS for Component "B" Isocyanate before combining.

### SUPPLEMENTAL INFORMATION

HMIS HAZARD RATING			
Health 2	Flammability 3	Reactivity 0	Personal Protection G
HAZARD INDEX			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE			
G=Rubber gloves, safety goggles,organic vapor respirator			

**FIRE AND EXPLOSION HAZARD DATA** (Continued from Section IV on Page 1)

Extinguishing Media: Foam, Dry Chemical or Carbon Dioxide

Special Fire Fighting Procedures: Use supplied-air breathing equipment for enclosed areas. Cool exposed containers with water spray. Minimize breathing vapor or fumes.

Unusual Fire and Explosion Hazards: Do not mix or store with strong oxidants such as liquid chlorine or concentrated oxygen. "Empty" product containers retain product residue. Do not pressurize, cut, heat, weld, or expose such containers to flame; they may explode and cause injury or death.

**REACTIVITY DATA** (Continued from Section V on page 1)

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: High Temperatures

Incompatibility (Materials to Avoid): Amines, acids, hydroxyl or other active hydrogen compounds.

**Section VII: Precautions for Safe Handling and Use**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Ventilate area. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact.

WASTE DISPOSAL METHOD: Disposal should be done in accordance with Federal (40CFR Part 261), State and Local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS. Use licensed hazardous waste disposal concern.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store or use near heat or open flame. Refer to OSHA 79CFR PART 1910.106 for specific storage requirements. Keep closure tight and container upright to prevent leakage. Drums of this material should be grounded and bonded when pouring. Do not weld or flame cut an empty drum.

OTHER PRECAUTIONS: Do not get in eyes. Avoid skin contact. Can cause allergic respiratory reaction. Can cause allergic skin reaction. Prevent prolonged or repeated breathing of vapor or spray mists. Do not handle until the manufacturer's safety precautions have been read and understood. Avoid breathing sanding dusts

**Section VIII: Control Measures**

RESPIRATORY PROTECTION: Use (MSHA/NIOSH-approved or equivalent) chemical/mechanical filters designed to remove a combination of particulates and organic vapor in open and restricted ventilation areas. Use approved airline type respirators or hoods in confined areas.

VENTILATION: Sufficient ventilation, in pattern and volume, should be provided to keep the air contaminant concentration below applicable exposure limits. Heavy solvent vapors should be removed from the lower levels of work area, and all ignition sources (non-explosion proof equipment) should be eliminated if flammable/air mixtures will be encountered. All application areas should be ventilated in accordance with OSHA regulation 29CFR Part 1910.94.

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

EYE PROTECTION: Use safety eyewear including side shields, face shields, or chemical splash goggles (ANSIZ-87.1 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. Use full face shield, apron, or other appropriate equipment.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using the washroom. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored.

**References:**

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. Fire Protection Guide to Hazardous Materials, 10 ed., National Fire Protection Association, Quincy, MA, 1991.
5. Title III List of Lists, U.S. Environmental Protection Agency publication EPA 560/4-90-011, January 1990.
6. Coatings Encyclopedic Dictionary, Stanley LeSota, Editor, Federation of Soc. For Coatings Technology, Blue Bell, PA 1995.
7. Hawley's Condensed Chemical Dictionary, 11th edition, N.I. Sax and R. Lewis, Sr., Editor, Van Nostrand Reinhold, NY 1987.

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## Section I - Product Identity:

Manufacturer's Name:  
Fiberlock Technologies, Inc.  
150 Dascomb Road  
Andover, MA 01810

## Street Fighter Premium Component B (Product Number 5120)

Date of Preparation: January 8, 2002  
Information Telephone Number: (978) 623-9987  
Emergency Telephone Numbers:  
Weekdays: (978) 623-9987  
After hours, weekends & holidays: (978) 887-5926,  
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## Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENT	COMMON NAME(S)	%	CAS No.	OSHA PEL	or	ACGIH TLV
*Xylene	Xylol	<13	1330-20-7	100 ppm		
N-Butyl Acetate	Same	<13	123-86-4	150 ppm		
*Hexamethylene diisocyanate	HDI	<2+	882-06-0	no est. (0.2 mg/m <sup>3</sup> suggested level)		

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

The following data are approximate or typical values and should not be used for precise design purposes.

Boiling Points of major constituent (Xylol)	139-140°F	Specific Gravity (H <sub>2</sub> O=1) WGT/GAL, LBS:	8.9
Vapor Pressure (mm Hg) (Xylol)	10 mm @ 28.3°C	Melting Point	N/A
Vapor Density (AIR=1) (Xylol) Heavier Lighter	X	Evaporation Rate (Butyl Acetate=1) Aromatic Naphtha	0.7
Solubility in Water	NIL	Appearance: Clear viscous liquid, Odor: slight acetate odor, pale yellow	Max VOC's: 550 g/l (Combined)

## Section IV - Fire and Explosion Hazard Data

Flash Point: 80°F SETA	Flammable Limits: LEL:1.1% UEL:7.0%	DOT Hazard Class: 3 Flammable Liquid	DOT ID#: UN-1307
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SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS: Full emergency equipment with self-contained breathing apparatus should be worn. During a fire irritating and highly toxic gases (see Reactivity Data) and smoke are present from the decomposition/combustion products.

## Section V - Reactivity Data (see reverse side for this section)

(see reverse side for this section)

## Section VI - Health Effects Data, Toxicity Data: Xylol: lhl - rat LC<sub>50</sub>: 3400 ppm/4H

Routes of Entry: Inhalation, Skin, Ingestion

Carcinogenicity: No

Health Hazards (Acute and Chronic) NOTE: Intentional misuse by deliberately concentrating and inhaling fumes may be harmful or fatal.

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Irritation of the respiratory tract or central nervous system depression characterized by the following progressive steps: Headache, dizziness, staggering gait, confusion, unconsciousness or coma.

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Note: Per 29CFR 1910.1200 (g) (2)(I)(C)(2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

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