

MATERIAL SAFETY DATA SHEET

FIREBOND™ CONCENTRATE

MSDS DATE: 03/14/12

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Firebond™ Concentrate
Product Description: Bonding Agent
Product Code: 7460, 7469
Manufacturer: Fiberlock Technologies, Inc.
Address:
Fiberlock Technologies
150 Dascomb Road
Andover MA, 01810

Contact Info:
Tel: (800) 342-3755
Fax: (978) 475-6205

Emergency Phone: 24 Hour Contact: CHEM-TEL: (800) 255-3924 (Contract Number: MIS0001450)
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Non-hazardous:
Pigmented Latex emulsion coating comprised of water, pigments, fillers, additives, and latex emulsion resin.

Hazardous:

Chemical Name	CAS#	Percent	Exposure Limits
None per the limits for reporting set forth in 29CFR 1910.1200 (NIL)			

Note: Per 29CFR 1910.1200 (g) (2) (1) (C) (2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:

Product Description: This product is a liquid.

Health Hazards:

Eyes: Direct contact; inconsequential eye irritation.
Skin: Prolonged or repeated contact with coating may cause slight skin irritation.
Inhalation: Vapors or spray mists may be slightly irritating to eye, nose, throat, and mucous membranes of respiratory tract producing symptoms of headache, nausea in poorly ventilated areas.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, and vomiting.

Flammability Hazards: This product is not flammable. If this product is involved in a fire, the decomposition products generated will include irritating vapors and gases and some carbon monoxide.

Reactivity Hazards: This product is not reactive.

Environmental Hazards: Although release of this product to the environment is not expected to cause significant adverse effect, all releases should be avoided.

SECTION 4: FIRST AID MEASURES

Eyes and Skin: Immediately flush eyes with plenty of water for at least 15 minutes and consult physician; wash skin thoroughly with soap and water. If drenched, remove and wash clothing before reuse.

Ingestion: If swallowed, call a physician immediately. If victim is conscious, give 2 glasses of water. Never give anything to an unconscious person. Treat symptomatically.

Inhalation: Remove to fresh air.

SECTION 5: FIRE-FIGHTING MEASURES

Product is non-combustible.

Flash point:

F: Not flammable
C: Not flammable

Autoignition Temperature:

F: Not Established
C: Not Established

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire

Water Spray	OK
Carbon Dioxide	OK
Foam	OK
Dry Chemical	OK
Halon	OK
Other	Any "ABC" Class

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

Personal Precautions: Do not get in eyes. Do not take internally. Avoid skin contact. Prevent prolonged or repeated breathing of vapor or spray mists. Keep unnecessary people away. Floor may be slippery, use care to avoid falling. Ventilate the area. Remove with inert absorbent.

Environmental Precautions: Keep spills and cleaning run-offs out of municipal sewers and open bodies of water. Comply with local, state and national regulations.

SECTION 7: HANDLING AND STORAGE

Handling and Storage:

Storage: Store in a cool, dry place
Keep closure tight and containers upright to prevent leakage.
Precautionary labeling: "KEEP FROM FREEZING".

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions:

Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.

Work Hygienic Practices: Avoid contact with skin. Do not get in eyes. Do not take internally. Avoid breathing vapors or spray mists.

Ventilation: Use in well-ventilated areas. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory Protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Eye Protection: Use approved safety eyewear including side shields, chemical goggles or face shields.

Skin Protection: Wear neoprene or rubber gloves to prevent skin contact if prolonged skin contact is likely. Wash hands before eating, smoking or using the wash room.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Viscous liquid	Viscosity @ 77°F:	50-60 Kreb Units
Odor:	Slight odor	Percent Solids By Weight:	50.0% ± 2.0
Boiling Point:	212°F	Solubility in Water:	Total
Freezing Point:	32°F	Vapor Density @ 68°F:	Heavier than air
Vapor Pressure (mmHg) @ 68°F:	17	Specific Gravity (H₂O = 1) @ 68°F:	8.8 ± 0.1
Weight Per Gallon:	8.4 lbs/gal ± 0.5	Evaporation Rate:	Slower than ether

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

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

Hazardous Decomposition or By-Products: Some carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information:

The effects of overexposure shown in Section VI are based on acute toxicity profiles for a number of special emulsions that are compositionally similar to this product. Typical values are: Rat, oral LD 50:>5.0 g/kg; Rabbit, dermal LD 50:>5.0 g/kg; Rabbit, skin irritation: practically non irritating --72 hour Mean Irritation Score = 0 to 2; Rabbit, eye irritation: Inconsequentially irritating.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information:

No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. If incinerating, do so in an approved facility, and do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation

Proper Shipping Name: Non-Hazardous Water-Based Paint
 Hazard Class: "Not Regulated"
 Label Statement: "Keep From Freezing"
 Class 55 Non-Hazardous Water-Based Paint

Canada (TDG)
 Not Regulated for Transportation.

IMO
 Not Regulated for Transportation.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SARA TITLE III: No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No Components of this product are on the California Proposition 65 lists.

CANADA DSL: All components are listed or exempt.

SECTION 16: OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
7732-18-5	Water
Not Available +	Proprietary defoamer
Not Available +	Acrylic resin solids
(+) Contents Partially Unknown	

HMIS HAZARD RATING			
Health 1	Flammability 0	Physical Hazard 0	Personal Protection A
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
A=Safety glasses			

Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hot line at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead