

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:

Piranha® 8 (5780)

Manufacturer's Name:

Date of Preparation: January 31, 2006

Fiberlock Technologies, Inc.

Information Telephone Number: (978) 623-9987

150 Dascomb Road

Emergency Telephone Numbers:

Andover, MA 01810

Weekdays: (978) 623-9987

After hours, weekends & holidays:

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

Section II: Composition / Ingredient Information

Ingredients	CAS Number	Hazard Class	ACGIH TLV-TWA
Caustic Soda	1310-73-2	D002, Corrosive Alkaline	.5 ppm, PEL(OSHA)
Magnesium Hydroxide	1309-42-8	D003, Oxidizer	28 ppm

Section III: Physical/Chemical Characteristics

Boiling Point	>212°F	Specific Gravity (H ₂ O=1) Wgt./gal.	1.48
Vapor Pressure (mm Hg) @ 20°C	<1 atm.	Flash Point	None
Vapor Density @ 1 Atmosphere	Not Applicable	Evaporation Rate (Butyl Acetate=1)	< 1
Solubility	>50%	pH	< 12
Percent Volatile by Volume	>50	Appearance: Odor:	White Paste Odorless

Section IV: Firefighting Measures

General Information: May react exothermically with water.

Extinguishing Media: Product is not flammable. Therefore, use appropriate extinguishing media for materials that are involved in surrounding fire.

Section V: Stability and Reactivity Data

Hazardous Polymerization: Will not occur

Chemical Stability: Stable under normal temperature and pressures.

Incompatibility (Conditions to Avoid): Do not store in metal containers. Keep away from acids, water, flammable materials, and strong oxidizers.

Hazardous Decomposition Products: Not Applicable

Section VI: Health Hazard Data

Potential Effects of a single (Acute Overexposure)

EYES: Both liquid and vapor may cause irritations to the cornea. May cause severe burns and possible irreversible eye damage if contact is made.

SKIN: Both liquid and vapor may cause deep burns and severe irritation.

INGESTION: May cause severe and permanent damage to digestive tract. May cause severe pain, nausea, vomiting, diarrhea (with blood), and shock. May also cause swelling of the larynx and subsequent suffocation, holes in the stomach and the intestines, heart failure, and coma.

INHALATION: Exposure to vapors, mist, or liquid spray may produce burns of the upper respiratory tract and larynx. Severe exposure may cause pluralpneumonia.

Section VII: First Aid Measures

NOTE: Specialized First Aid and Medical Treatment are Required for all Exposures

EYES: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Seek medical aid immediately.

SKIN: Flush effected area of skin with plenty of soap and water for at least 15 minutes while removing any contaminated clothing. Do not try to neutralize the burned area with chemicals. Seek medical aid immediately.

INGESTION: Never give anything by mouth to an unconscious person. Seek medical aid immediately. Do not induce vomiting. May cause gastrointestinal tract irritation with vomiting and possible burns. If conscious, give large amounts of water to drink.

INHALATION: Remove from exposure to fresh air immediately. Keep the victim quiet, lying down and as comfortable as possible. Seek immediate medical attention. If not breathing, give artificial respiration at once. If breathing is difficult, give oxygen.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

Section VIII: Accidental Release Measures

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SPILLS/LEAKS: Wear suitable Personal Protective Equipment (PPE). Solidify spill with inert material and place into a non-metallic container for storage and disposal. Neutralize with weak hydrochloric acid solution.

HANDLING: Always wear suitable PPE. Rubber or vinyl gloves are recommended, do not wear leather or cloth. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Keep container tightly closed, avoid skin and eye contact, and avoid inhalation.

STORAGE: Store in non-metal containers only. Store in cool, dry, well ventilated area away from incompatible substances such as water, acids, strong oxidizers, and flammable liquids.

Section IX: Exposure Controls, Personal Protection Material

ENGINEERING CONTROLS: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limit of 0.5 ppm.

PERSONAL PROTECTION EQUIPMENT

EYES: Wear appropriate face shield and chemical safety goggles as described by OSHA's eye and face protection, regulations in 29 CFR 1910.133 or European Standard EN 166. Do not wear contact lenses. For increased protection, use air supplied acid hood.

SKIN / CLOTHING: Wear appropriate protective clothing to prevent skin exposure.

RESPIRATORS: Where required use an appropriate NIOSH, OSHA, or MSHA respirator as applicable. Some exposures may require a SCBA. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149 for approved respirator when necessary.

Section X: Regulatory Information

CERLARQ: None of the chemicals in this product have a RQ
RCRA D Series: CAS# 1310-73-2-D002, CAS# 0064742-47-8-D001, CAS# 12174-11-7-D003, and CAS# 1309-48-4-D003
RCRA F Series: None Listed.
RCRA P Series: None Listed.
RCRA U Series: None Listed.
SARA SEC.313 None of the chemicals in this product are listed in Section 313.
None of the chemicals in this product have a TPQ.
TSCA: None of the chemicals in this product are listed.
Health and safety list: None of the chemicals in this product are listed.
Chemical test rules: None of the chemicals in this product are under a chemical test rule.
CLEAN AIR ACT: This material does not contain any hazardous air pollutants.
This material does not contain any class 1-ozone depleters.
This material does not contain any class 2-ozone depleters.

USD.O.T. Shipping Name: Paint Related Material (Sodium Hydroxide)

US D.O.T Hazard Class: 8 (Corrosive)

US D.O.T. Identification Number: UN 3066, PG II

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

Section IX: Toxicological Information

Carcinogenicity: No Information available.
Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Neurotoxicity: No information available.
Mutagenicity: No information available.

CAS NO. CHEMICAL INGREDIENTS

1310-73-2 Caustic Soda
1305-62-0 Calcium Hydroxide
1309-42-8 Magnesium Hydroxide
7732-18-5 Water

HMIS / NFPA			
Health 3	Flammability 0	Reactivity 0	Corrosivity 3
HAZARD INDEX			
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			