

# MATERIAL SAFETY DATA SHEET

MSDS DATE: 4/8/09

## PIRANHA® 8

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

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Piranha® 8  
Product Description: Self Sealing Alkaline Paste Paint Remover  
Product Code: 5780  
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  
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous:

Chemical Name	CAS#	Hazard Class	OSHA PEL	ACGIH TLV
1 - Caustic Soda	1310-73-2	D002, Corrosive Alkaline	2 mg/m3	TWA 2 mg/m3
2 - Magnesium Hydroxide	1309-42-8	D003, Oxidizer	Not Established	TWA 28 ppm

This product does not contain any toxic chemical(s) 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.

### SECTION 3: HAZARDS IDENTIFICATION

#### Potential Health Hazards:

**Skin Contact:** Both liquid and vapor may cause deep burns and severe irritation.

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

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

**Ingestion: (Swallowing):** 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.

### SECTION 4: FIRST AID MEASURES

**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.

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

### SECTION 5: FIRE-FIGHTING MEASURES

Product is non-combustible

Flash point:

Autoignition Temperature:

F: Not flammable

F: Not Established

C: Not flammable

C: Not Established

Flammable Limits in Air:  
(% BY VOLUME)

UPPER: Not applicable

LOWER: Not applicable

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire

Water Spray	OK
Carbon Dioxide	OK
Foam	OK
Dry Chemical	OK
Halon	NO
Other	N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** May react exothermically with water. Product is not flammable. Therefore, use appropriate extinguishing media for materials that are involved in surrounding fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Accidental Release Measures:

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.

**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. Remove all sources if ignition. 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, national and state regulations.

### SECTION 7: HANDLING AND STORAGE

#### Handling and Storage:

**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.

Maximum Storage Temperature: 100°F (38°C), minimum 35°F (2°C).  
Keep closure tight and containers upright to prevent leakage.

Precautionary labeling: KEEP FROM FREEZING".  
Product is non-combustible.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Precautions:

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

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

**Respiratory Protection:** 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.

**Eye Protection:** 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 Protection:** Wear appropriate protective clothing to prevent skin exposure.

**Other Protective Equipment:** Eyewash station should be provided nearby.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Thin liquid	<b>Solubility in Water:</b>	Total
<b>Odor:</b>	Pleasant odor	<b>Color:</b>	Light Blue
<b>Boiling Point:</b>	210°F	<b>Viscosity @ 77°F:</b>	60-75 Kreb Units
<b>Evaporation Rate: (Butyl Acetate=1)</b>	Slower	<b>Vapor Density (AIR = 1) @ 68°F:</b>	Heavier
<b>Vapor Pressure:</b>	20mm Hg @ 68 F	<b>Specific Gravity (H2O = 1) @ 68°F:</b>	1.040 wgt./ gal. lbs
<b>pH</b>	11.5-12.0	<b>Percent Volatile</b>	90+

**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:**

No Data Available

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecological Information:**

No Data Available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:**

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.

Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution. Do not dump into sewers, any body of water or onto the ground.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. Department of Transportation**

Proper Shipping Name: Paint Related Material (Sodium Hydroxide)  
Hazard Class: 8 (Corrosive)  
ID Number: UN 3066, PG II

**SECTION 15: REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** 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

**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.

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

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

**CLEAN AIR ACT:** This material does not contain any hazardous air pollutants, any class 1-ozone depletors, or any class 2-ozone depletors.

**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 D Series:** None Listed.

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**RCRA D Series:** None Listed.

**SECTION 16: OTHER INFORMATION**

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

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

CAS. No.:	CHEMICAL INGREDIENTS
1310-73-2	Caustic Soda
1305-62-0	Calcium Hydroxide
1309-42-8	Magnesium Hydroxide
7732-18-5	Water

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

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.