

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Piranha 8 No. 5780
Product Class: Corrosive alkaline mixture
Chemical Formula: Proprietary mixture
Recommended Use of Product: Paint and varnish remover
Restrictions: Use only in well ventilated areas

Information on the Supplier of the Safety Data Sheet

Manufactured For: Fiberlock Technologies, Inc. 150 Dascomb Road Andover, MA 01810 P: 800-342-3755 F: 978-475-6205	Emergency Telephone Numbers: CHEM TEL: (U.S.): 1-800-255-3924 (Outside the U.S.): 813-248-0585 Poison Control Center (Medical): 800-222-1222
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SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **DANGER**



GHS Label Statements

Hazard Statements:
Harmful if swallowed.
Fatal if swallowed.
Causes serious eye damage.
Harmful if inhaled.
Causes skin and eye irritation.
May cause respiratory irritation.
Causes severe burns and eye damage.

GHS Classifications

OSHA Defined Hazards: Not classified.
Skin irritation – Category 1
Eye irritation – Category 2
Corrosive to metals – Category 1
Acute toxicity, oral – Category 4
Skin corrosion/irritation – Category 1
Serious eye damage/eye irritation – Category 1

PRECAUTIONARY STATEMENTS

Prevention: Wear protective gloves, protective clothing, eye protection and face protection. Keep only in original container. Do not eat, drink or smoke when using this product. Do not breathe mist or vapor. Wash thoroughly after handling.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse. Absorb spillage to prevent material damage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a poison center or doctor. If skin irritation occurs: Get medical advice/attention. Specific treatment, see supplemental first aid information.

Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated place.

Disposal: Dispose of contents/container in accordance with all local, state, and federal regulations.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight, %</u>
Calcium hydroxide	1305-62-0	18-24
Magnesium hydroxide	1309-42-8	14-18
Sodium hydroxide	1310-73-2	8-13
Water	7732-18-5	45-50

SECTION 4: 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.

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

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.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

General Information

Conditions of Flammability: Not flammable or combustible.

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous Combustion Products: Hazardous decomposition products formed under fire conditions may produce Hydrogen gas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Following product recovery, flush area with water

Small Spills: Solidify spill with inert material and place into a non-metallic container for storage and disposal. Neutralize with weak hydrochloric acid solution. Absorb spill with vermiculite or other inert material. Clean surface thoroughly to remove residual contamination.

Environmental Precautions: Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Use caution when combining with water; DO NOT add water to caustic; ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

Conditions for Safe Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store away from incompatible materials (See Section 10). Store at temperatures not exceeding 40°C/104°F. Compatible storage materials may include, but not be limited to, the following: nickel and nickel alloys, steel, plastics, plastic or rubber-lined steel, FRP, or Derakane vinyl ester resin. Do not allow material to freeze.

Incompatible Materials or Ignition Sources: Keep away acids and strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Personal Protective Equipment

Eye/Face 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 and Body Protection: Wear appropriate protective clothing to prevent skin exposure.

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.

General Industrial Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

Environmental Exposure Controls: Follow best practice for site management and disposal of waste. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Material Description

Physical Form	Paste	VOC (Vol.)	N/A
Color	White	Flammability	Not Flammable
Odor	Odorless	Flash Point	None
Boiling Point	>212°F	LEL	Not Established
Decomposition Temp	N/A	Vapor Pressure @ 20°C	<1 atm.
pH Rating	>13	Burning Time	N/A
Vapor Density @ 1 Atmosphere	N/A	Ignition Distance	N/A
Water Solubility	50%	Solubility	Mostly in Methanol
Percent Volatile by Volume	>50	Evaporation Rate (Butyl acetate=1)	<1
Specific Gravity	1.48	UEL	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperature and pressures.

Conditions to Avoid: Do not store in metal containers. Keep away from acids, water, flammable materials, and strong oxidizers. Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40°C (104°F).

Hazardous Polymerization: Hazardous polymerization does not occur.

Incompatible Materials: Oxidizing agents. Acids. Phosphorus. Aluminum. Zinc. Tin. Initiates or catalyzes violent polymerization of acetaldehyde, acrogenic or acrylonitrile.

Hazardous Decomposition Products: Contact with metals (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation: May cause irritation to the respiratory system.

Eye Contact: Causes severe eye burns. Causes serious eye damage.

Skin Contact: Causes severe skin burns.

Ingestion: Causes digestive tract burns. Harmful if swallowed.

Symptoms Related to Physical, Chemical and Toxicological Characteristics

Burning pain and severe corrosive skin damage. Permanent eye damage including blindness could result.

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.

SECTION 12: ECOLOGICAL INFORMATION

Caustic Soda 1310-73-2

Persistence and Degradability: Expected to degrade rapidly in air.

Bio Accumulative Potential: The product is not expected to bio accumulate.

Mobility in Soil: Not available.

Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Use only licensed transporters and permitted disposal facilities and conform to all laws. Recycle to process, if possible. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused materials, residues and

containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name	Paint Related Material
Hazard Class	8
UN/NA Class	UN3066
Label	Corrosive
Packing Group II	

IATA

Proper Shipping Name	Paint Related Material
Hazard Class	8
UN/NA Class	UN3066
Label	Corrosive
Packing Group	

IMDG/IMO

Proper Shipping Name	Paint Related Material
Hazard Class	8
UN/NA Class	UN3066
Label	Corrosive
Packing Group	

SECTION 15: REGULATORY INFORMATION

CERCLA RQ: 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

SECTION 16: OTHER INFORMATION

HMIS & NFPA Information:

Health:	3
Flammability:	0
Reactivity:	0
Corrosivity:	3

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

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 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 Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

The manufacturer makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.