

MATERIAL SAFETY DATA SHEET

MSDS DATE: 03/14/12

PIRANHA® 2

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Piranha® 2
Product Description: Heavy-Duty Methylene Chloride Paint Remover
Product Code: 5720
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

Hazardous:

Chemical Name	CAS#	OSHA HAZARD	OSHA PEL	ACGIH
1 - Toluene	108-88-3	Non-Flammable	TWA 100 ppm STEL 150 ppm	TWA (skin) 20 ppm STEL (skin) 150 ppm
2 - Dichloromethane	75-09-2	PEL;TWA	TWA 25 ppm STEL 125 ppm	TLV 50 ppm
3 - Methanol	67-56-1	Poison	TWA (skin) 200 ppm STEL (skin) 250 ppm	TWA (skin) 200 ppm STEL (skin) 250 ppm
4 - 2-Butoxy Ethanol	111-76-2		TLV (skin) 25 ppm	TLV (skin) 20 ppm

The composition of this product may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. This product is hazardous as defined in 29CFR 1910.1200, based on the information listed above.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:

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

Health Hazards:

Variability among individuals: Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks, which may vary, from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized. Effects of overexposure (signs and symptoms of exposure): High vapor concentrations are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. (cont. on page 2) Nature of hazard and toxicity information:

WARNING: Concentrated. Prolonged or deliberate inhalation of this product may cause serious nervous system damage.

SECTION 4: FIRST AID MEASURES

Eyes: If slashed in eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

Skin: In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water

Ingestion: If ingested, Do not induce vomiting; call a physician immediately. Poisonous if swallowed. Can effect the optic nerve resulting in blindness. Can cause mental sluggishness, nausea and vomiting leading to severe illness, possibly death.

Inhalation: If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available

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: PEL/TWA: Poison
(% BY VOLUME)

UPPER: Not applicable DOT ID Number: 6.1/UN1593/PGIII
LOWER: Not applicable

SECTION 5: FIRE-FIGHTING MEASURES (CONTINUED)

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire

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

SPECIAL FIRE FIGHTING PROCEDURES: Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials," eighth edition. Use dry chemical, foam or carbon dioxide to extinguish the fire, water may be ineffective, but should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect men attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied air-breathing equipment for enclosed or confined spaces or as otherwise needed. Note: The inclusion of the phrase "water may be ineffective" is to indicate that although water can be used to cool and protect exposed material, water may not extinguish the fire unless used under favorable conditions

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Involvement in fire or high temperatures forms hydrogen chloride and very small amounts of phosgene and chlorine. Solvent decomposition occurs when catalyzed by metal chlorides, which can be produced by reaction with HCl and metals in the system. In presence of aluminum and excessive water, the decomposition can proceed rapidly with production of large amounts of heat and HCl fumes.

"EMPTY" CONTAINER WARNING: "Empty" containers retain residue (liquid or vapor) that can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and health Administration regulations, ANSI Z49.1. and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces, open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered sewer, water course or extensive land areas. Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, combustible vapors from absorbed material. Handling equipment must be grounded to prevent sparking. Transportation Incident Information: For further information relative to spills resulting from transportation incident, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents, DOT 5800.3

SECTION 7: HANDLING AND STORAGE

Handling and Storage:

Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with the National Fire Protection Association standard for petroleum products. In order to prevent fire or explosion hazard use appropriate equipment. Information on electrical equipment appropriate for use with this product may be found in the latest edition of the National Electrical Code (NTPA-70). This document is available from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts, 02269.

Precautionary labeling: KEEP FROM FREEZING[®].

Product is non-combustible.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions:

Use only with adequate ventilation.

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

Personal Hygiene: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing laundry or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact before breaks and meals and at the end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water. Eye wash fountains and safety showers should be available for emergency.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or build up of explosive concentrations of vapor in air. No smoking, flame or other ignition sources. Use explosion-proof ventilation as required to control particulate concentrations.

Respiratory Protection: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Skin Protection: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Other Protective Equipment: Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid gel	Solubility in Water:	Not Established
Odor:	Ether like odor	Color:	Clear to hazy
Boiling Point:	Not Established	Viscosity @ 77°F:	500-1000 cps
Evaporation Rate: (Butyl Acetate=1)	Not Established	Vapor Density (AIR = 1) @ 68°F:	Heavier
Vapor Pressure:	Not Established	Specific Gravity (H₂O = 1) @ 68°F:	1.13
pH	7.0-9.0	Percent Volatile	98%

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable, will not react violently with water.

Incompatibility and Decomposition or By-Products: (Material to Avoid): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, strong alkalis (such as alkali metals) open flames, and electrical arcs. This product should not be used in contact with aluminum or zinc or their alloys. Avoid open flames, welding arcs, or other high temperature sources which include decomposition to irritating and corrosive HCl from solvent vapor. Strong UV light (e.g. welding arc) can cause significant phosgene to be generated.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information:

Toxicology data for methylene chloride: Skin: The dermal LD50 has not been determined. Ingestion: The oral LD50 for rats is 1500-2500 mg/kg. MUTAGENICITY (effects on Genetic Material): Negative or equivocal results have been obtained in mutagenicity tests with methylene chloride using mammalian cells or animals. This consistent with the lack of interaction with DNA in rats and hamsters. Although results of Ames bacterial test have generally been positive, overall the data suggests that genotoxic potential does not appear to be a significant factor in the toxicity of methylene chloride. Experience in industry has shown no increased incidences of cancer of any type in the worker population. IARC lists this product as having inadequate evidence in humans and sufficient evidence in animals to evaluate carcinogenicity, Group 2B. Preexisting medical conditions may be aggravated by exposure. Persons with angina or other cardiovascular disease should not be exposed to this product.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information:

The following information may be useful in complying with various state and federal laws and regulations under various environmental statutes:

Reportable Quantity (RQ). EPA Regulations 40 CFR 302 (Cercla Section 102)

NO RQ for product. RQ for product with:

Toluene is 7,692 lbs.

Methylene Chloride is 1,428 lbs.

Methanol is 41,5000 lbs

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (Sara sections 301

301) No TPQ for product or any constituent greater than 1% or .01% (carcinogen).

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (Sara Sections 313)

This product contains toluene, methylene chloride, and methanol. Hazardous Chemical

Reporting. EPA Regulation 40 CFR 370 (Sara Sections 311, 312)

EPA Hazard Classification Code:			
Acute Hazard	Chronic Hazard	Fire Hazard	Reactive Hazard
XXX	XX		

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

SEE: SECTION 6: ACCIDENTAL RELEASE MEASURES

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation

Gallon or Smaller: Consumer Commodity.

5 Gallon Drum or Larger:

Proper Shipping Name: Paint Related Material (Dichloromethane Solution)

Hazard Class: 6.1

ID Number: UNI593/PGIII - Poison

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): The intentional ingredients of this product are listed.

SARA TITLE III (SECTION 312): Immediate/Health

SARA TITLE III (SECTION 313): This product contains Toluene, Dichloromethane, and Methanol which are subject to reporting requirements of section 313 of Title 313 of Title III of The Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains a chemical(s) known to the state of California to cause cancer, birth defects, or other reproductive harm.

Pennsylvania Substance List: Toluene (108-88-3), Dichloromethane (67-56-1), and Methanol (75-09-2)

New Jersey Right to Know Hazardous Substance List: Toluene (108-88-3), Dichloromethane (67-56-1), and Methanol (75-09-2)

SECTION 16: OTHER INFORMATION

Note: Product label will contain additional non-OSHA related information.

The information and recommendations contained herein are to the best of Fiberlock Technologies, Inc. knowledge and belief, accurate and reliable as of the date issued. Fiberlock Technologies, Inc. does not warrant or guarantee their accuracy or reliability and Fiberlock Technologies, Inc. shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal council should be considered to ensure proper health, safety and other necessary information is included on the container.

The environmental information included under section VIII hereof as well as the hazardous material identification system (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Fiberlock Technologies, Inc. in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with Fiberlock Technologies interpretation of the available data.=

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

CAS. No.:	CHEMICAL INGREDIENTS
108-88-3	Toluene
75-09-2	Methylene Chloride
67-56-1	Methanol
111-76-2	2-Butoxy Ethanol

HMIS HAZARD RATING

Health 3	Flammability 1	Physical Hazard 0	Personal Protection H
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
H=Safety Glasses, Gloves, Vapor Respirator, Synthetic Apron			