

# MATERIAL SAFETY DATA SHEET

MSDS DATE: 4/8/09

## PIRANHA® 4

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

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Piranha® 4  
Product Description: Lemon Scented NMP Solvent Gel Paint Remover  
Product Code: 5740  
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#	Percent	OSHA PEL	ACGIH TLV
1 - N - Methyl-2- Pyrrolidone	872-50-4	45 - 50	Not Established	Not Established
2 - Dimethyl Adipate	627-93-0	40 - 45	Not Established	Not Established

This product contains N - Methyl-2- Pyrrolidone which is subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains N - METHYL-2- PYRROLIDONE which is known to the state of California to cause reproductive harm.

### SECTION 3: HAZARDS IDENTIFICATION

#### Potential Health Hazards:

**Inhalation health risks and symptoms of exposure:** If mists or vapors are generated at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects, blurred vision and irritation of the upper respiratory passages.

**Skin and eye contact health risks and symptoms of exposure:** Skin: This material may cause mild skin irritation. Prolonged or repeated contact may cause redness, cracking and blistering of skin. Eye contact can cause irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, redness and blurred vision.

**Skin absorption health risks and symptoms of exposure:** Due to low evaporation rate, components can be absorbed through skin causing numbness and blurred vision.

**Ingestion health risks and symptoms of exposure:** Ingestion can cause severe internal irritation.

**Health hazards (chronic):** N-Methyl-2-Pyrrolidone: a component of this product was reported to be fetotoxic and to increase the incidence of skeletal abnormalities when administered dermally to rats at a dose of 750 mg/kg during gestation (fund. and appl. tox 2: 73-6, 1982).

**Carcinogenicity:** NTP: No IARC Monographs: No OSHA Regulated: No

**Medical conditions generally aggravated by exposure:** NONE

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flood with plenty of water with eye lids held open for at least 15 minutes and get medical attention promptly .

**Skin:** Wash thoroughly with soap and water. Thoroughly launder contaminated clothing before reuse. If irritation and redness persists, see physician.

**Ingestion:** Keep person warm and quiet get medical attention. Immediately give two glasses of water if conscious.

**Inhalation:** If illness occurs, remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, start artificial respiration. Call physician immediately.

### SECTION 5: FIRE-FIGHTING MEASURES

Product is non-combustible

Flash point:

Autoignition Temperature:

F: 200°F

F: Not Established

C: 93.3°C

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:** Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Cool tank container with water spray.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product may burn, but will not ignite readily.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Accidental Release Measures:

Review section IV- unusual fire and explosion hazards. Small spills: Wipe or scrape up any material. Wash area thoroughly with detergent and water; ventilate adequately with good fresh air movement at floor level. Large spills: Wear proper protective equipment. Stop spill at source, dike area of spill to keep from spreading and keep out of ground water and streams. Transfer material to metal containers. Absorb remainder with sand, clay, earth, floor absorbent, or other material and shovel into containers. Then wash area thoroughly with water and detergent. Ventilate adequately with good fresh air movement at floor level. Do not restart pilot lights or operate electrical devices or other sources of sparks, flames or heat until all vapors (odors) are gone.

**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.

### SECTION 7: HANDLING AND STORAGE

#### Handling and Storage:

Precautions to be taken in handling and storing: Store in cool place, out of hot sun and below 100°F. All containers are subject to damage in storage and transit. Damaged containers may start leaking immediately or at a later time. Do not store where vapors may come in contact with flames, sparks or heat.

Other Precautions: Avoid contact with material. Do not eat, drink or smoke when handling this material.

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 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.

**Ventilation:** Use local exhaust to control vapors.

**Respiratory Protection:** Approved organic vapor respirator, if vapors or mists are generated.

**Eye Protection:** Chemical goggles or safety glasses with side shield.

**Skin Protection:** For repeated or prolonged exposure, neoprene gloves are recommended.

**Other Protective Equipment:** N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Viscous liquid	<b>Solubility in Water:</b>	Total
<b>Odor:</b>	Sweet odor	<b>Color:</b>	Light Blue
<b>Boiling Point:</b>	200°F	<b>Viscosity @ 77°F:</b>	N/A
<b>Evaporation Rate: (Butyl Acetate=1)</b>	Slower	<b>Vapor Density (AIR = 1) @ 68°F:</b>	Heavier
<b>Vapor Pressure:</b>	<1 mm Hg @ 68 F	<b>Specific Gravity (H2O = 1) @ 68°F:</b>	1.04
<b>pH</b>	7.0-8.0	<b>Percent Volatile</b>	98+

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** (Material to Avoid): Strong oxidizing agents (E.G. Nitric acid, permanganates, Etc.) Strong Alkalies (E.G. NAOH Ammonia, Etc.), Strong acids (E.G. HCL, Sulfuric, Etc.)

**Hazardous Decomposition or By-Products:** Not Established

**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION****Toxicological Information:**

**Health hazards (chronic):** N-Methyl-2-Pyrrolidone: a component of this product was reported to be fetotoxic and to increase the incidence of skeletal abnormalities when administered dermally to rats at a dose of 750 mg/kg during gestation (fund. and appl. tox 2: 73-6, 1982).

**SECTION 12: ECOLOGICAL INFORMATION****Ecological Information:**

No Data Available

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste Disposal Method:**

Dispose of in accordance with local, state and federal regulations. This product is not considered a hazardous waste under current RCRA regulations.

**SECTION 14: TRANSPORT INFORMATION****U.S. Department of Transportation**

Hazard Class: "Non Regulated"

**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 N - Methyl-2- Pyrrolidone which is subject to reporting requirements of section 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:** N - Methyl-2- Pyrrolidone (872-50-4)

**New Jersey Right to Know Hazardous Substance List:** N - Methyl-2- Pyrrolidone (872-50-4)

**SECTION 16: OTHER INFORMATION**

Judgement of potential hazards of this product is based on information available about individual components listed under section II - Ingredients. Direct testing of mixture has not been done. Flash point has been tested. Information given herein is believed to be accurate and is given in good faith; however, no warranty either expressed or implied is made. It is strongly suggested that users confirm in advance of need that the information is current and applicable to their situations.

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

<b>CAS. No.:</b>	<b>CHEMICAL INGREDIENTS</b>
872-50-4	N-Methyl-2-Pyrrolidone
627-93-0	Dimethyl Adipate

**HMS HAZARD RATING**

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

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.