

### 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CATEGORY:	FEMFG5000	REVISION DATE:	01/22/10
PRODUCT NAME:	MERKRETE FRACTURE GUARD 5000	MFG5000	
MANUFACTURER:	PAREXUSA, Inc.		
	4125 E. LA PALMA AVE		
	SUITE 250	HMS CODES:	
	ANAHEIM, CA 92807	HEALTH	2*
EMERGENCY PHONE NUMBER:	800-424-9300	FLAMMABILITY	1
INFORMATION PHONE NUMBER:	951-653-3549	REACTIVITY	0
NAME OF PREPARER:	CARLOS NONES	PROTECTION	C

### 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Components / Exposure Limits	CASRN
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PETROLEUM ASPHALT	8052-42-2
ACGIH TWA 0.5 mg/m3	

### 3 - HAZARDS IDENTIFICATION - POTENTIAL HEALTH EFFECTS

**EYES:** Contact with eyes may cause irritation. **SKIN:** Prolonged or repeated contact with skin may cause irritation. **INGESTION:** May be harmful if ingested. **INHALATION:** When applying this product, the vapors and/or dust produced may cause irritation to the respiratory tract. **CHRONIC (CANCER) INFORMATION:** WARNING - See section 11, TOXICOLOGICAL INFORMATION for details. Also see section 15. **TERATOLOGY (BIRTH DEFECTS):** Not known to cause birth defects. **REPRODUCTIVE INFORMATION:** Not known to cause reproductive harm.

### 4 - FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.  
**SKIN:** Wash affected area thoroughly with soap and water. Remove contaminated cloths and launder before re-use. **INGESTION:** Do not induce vomiting. Get medical attention immediately. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

### 5 - FIRE FIGHTING MEASURES

**FLASH POINT:** Not Applicable - Water Based Product.

**Method:** Not Applicable.

**FLAMMABLE LIMITS:**

Lower flammable limit: Not Applicable.

Upper flammable limit: Not Applicable.

**AUTOIGNITION TEMPERATURE:** Not Applicable.

**HAZARDOUS COMBUSTION PRODUCTS:** Incomplete combustion of dried product can yield low molecular weight

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hydrocarbons, carbon monoxide, and carbon dioxide.

EXTINGUISHING MEDIA: For the dried product, use carbon dioxide, dry chemical, or alcohol foam extinguishing media.

FIREFIGHTING INSTRUCTIONS: Respiratory equipment should be worn to avoid inhalation of combustion products. Water should not be used except as fog to keep nearby containers cool. Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.

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### 6 - ACCIDENTAL RELEASE MEASURES

Ventilate area. Dike spill using absorbent inert materials. Transfer to containers for disposal. Keep spilled products out of sewers, streams, and water systems. See section 13 and section 15 for specific regulatory information concerning this product.

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### 7 - HANDLING AND STORAGE

HANDLING: Wear appropriate protective equipment when working with this product. Keep containers closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Keep out of reach of children.

STORAGE: Avoid temperature extremes in storage. Do not allow to freeze. Consult the Technical Data Sheet for specific storage instructions.

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### 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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 a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a 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 or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

VENTILATION: Use local exhaust. General exhaust acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, and 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH for protection against materials described in Section 2. SKIN PROTECTION: Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. EYE PROTECTION: Wear safety glasses to reduce the potential for eye contact

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### 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 190-212 F.

EVAPORATION RATE: Slower than ether.

SOLUBILITY IN WATER: Dispersible.

DENSITY: 8.53 lb/gal

ODOR: Mild ammonia.

FREEZING/MELTING POINT: 32 F.

VAPOR DENSITY: Heavier than air.

SPECIFIC GRAVITY: 1.02

pH: 8.0-10.0

APPEARANCE: White and/or Colored

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PHYSICAL STATE: Fluid

VOC: 10 g/l (0.0872 lb/gl)

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10 - STABILITY AND REACTIVITY

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CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: By fire - low molecular weight hydrocarbons, carbon dioxide and monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: None known.

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11 - TOXICOLOGICAL INFORMATION - CHRONIC AND ACUTE HEALTH HAZARDS

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CRYSTALLINE SILICA - (Quartz, Cristobalite) is considered a known human carcinogen by Federal (OSHA) and advising health agencies (IARC, NIOSH, and NTP). Additionally, crystalline silica can cause a lung condition known as silicosis after long term exposure to dusts containing crystalline silica. Exposure of workers to crystalline silica containing dusts is specifically regulated by OSHA. The use of a correctly fitted, NIOSH approved respirator suitable for use against crystalline silica inhalation is essential for minimizing exposure to this danger. MINERAL DUSTS - Some items mentioned in section 2 of this MSDS are considered mineral dusts by OSHA and a correctly fitted, NIOSH approved respirator is required when working with this product. TITANIUM DIOXIDE - Is considered a suspected carcinogen by advising health agencies. There is one animal study where Titanium Dioxide exposure caused lung cancer in rats. However, the level of exposure during the test was far in excess of what would be experienced by workers during use of this product. However, care should be exercised and the use of a correctly fitted, NIOSH approved respirator should be used when working with this product.

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12 - ECOLOGICAL INFORMATION

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There is no data available about this topic.

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13 - DISPOSAL CONSIDERATIONS

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This product must be disposed of in accordance with applicable local, state and federal regulations.

Where possible, it is best to use up any excess material.

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14 - TRANSPORT INFORMATION

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US DOT PROPER SHIPPING DESCRIPTION: Paint and related materials, NOIBN.

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15 - REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS:

CERCLA - SECTION 103 (40CFR302.4)

This product contains the following toxic chemicals that require notification of the National Response Center of releases of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ).

\*\*\* No reportable quantities are present. \*\*\*

CLEAN AIR ACT - SECTION 112:

This product contains the following components present at or above the minimum level and listed as Hazardous Air Pollutants:

\*\*\* No reportable quantities are present. \*\*\*

This product contains the following components present at or above the minimum level and listed as Extremely Hazardous Air Pollutants:

\*\*\* No reportable quantities are present. \*\*\*

EPA VOC REGULATIONS:

THEORETICAL VOC FOR THIS PRODUCT =10 g/l(0.0872 lb/gl)

OSHA:

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standard.

In addition to items listed in Section 11, This product contains the following items that are specifically regulated by OSHA. Exposure limits may be found in Section 2 of this MSDS.

PETROLEUM ASPHALT8052-42-2

SARA SECTION 302 (40CFR355.30), AND SECTION 304 (40CFR355.40):

This product contains the following chemicals that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on Reportable Quantities (RQ):

\*\*\* No reportable quantities are present. \*\*\*

SARA SECTION 311/312 (40CFR370.21) HAZARD CLASSIFICATION FOR THIS PRODUCT:

FIRE:	NO	PRESSURE GENERATING:	NO	REACTIVITY:	NO
ACUTE HEALTH:	NO	CHRONIC HEALTH:	NO		

SARA SECTION 313 (40CFR372.65):

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986:

TSCA:

All components of this product are listed, or are exempt from listing on the TSCA inventory.

STATE REGULATIONS:

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### CALIFORNIA

WARNING: The following chemicals are present in this coating product in small amounts. These chemicals are listed by the California EPA as materials known to the State of California to cause cancer, (and/or) birth defects, (and/or) other reproductive harm.

Chemical Name	CAS Number
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PETROLEUM ASPHALT	8052-42-2

ACETYLALDEHYDE	75-07-0
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### 16 - OTHER INFORMATION

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The information and recommendation set forth herein are believed to be accurate. Because some of the information used to prepare this document is derived from information provided to PAREXUSA, Inc. from its suppliers, and because PAREXUSA, Inc. has no control over the conditions of handling and use, the PAREXUSA, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information and consideration, and ParexUSA, Inc. assumes no responsibility from use or reliance thereon. It is the responsibility of the user of PAREXUSA, Inc. products to comply with all applicable federal, state, and local laws and regulations.

