

**MATERIAL SAFETY DATA SHEET****FRACTURE-GUARD 5000**

**SUPPLIER** Mer-Krete Systems, a division of ParexLahabra  
501 Van Ness Avenue  
Torrance, CA 90501

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**DATE** 08.25.99

**INGREDIENTS**

Petroleum Asphalt  
Petroleum Bitumen  
Styrene Butadiene - Aqueous Dispersion Mixture

**CAS NUMBER**

8052-42-4  
Proprietary

**ACGIH TWA**

Fumes: 5 mg/m<sup>3</sup> 8-hour  
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N/A

**PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point - 100C      Freezing Point - 0C      Vapor Pressure - Same as water      Specific Gravity - 1.00      Percent Volatile  
By Volume - 60%      Solubility in Water - Soluble in all proportions      VOC - Less than 20 g/l  
Appearance - Black paste      Odor - Sweet smelling

**FIRE & EXPLOSION HAZARDS**

Flash Point - Greater than 100C      Special Fire Fighting Procedures - Wear self-contained breathing apparatus.  
Unusual Fire & Explosion Hazards - Irritating and toxic gases may be generated if material ignites after water boils off.

**REACTIVITY DATA**

Stability-Stable      Materials to Avoid - Oxidizing agents      Hazardous Polymerization - Will not occur  
Hazardous Decomposition or Byproducts - Combustion may produce CO, Nox, Sox and hydrogen sulfide.

**HEALTH HAZARD DATA**

Routes of Entry - Inhalation, Eye Contact, Skin Contact, Ingestion

**INHALATION** - May cause irritation of the nose, throat and lungs. May cause coughing, sneezing and labored breathing depending on concentration and duration of exposure.

**EYE CONTACT** - May cause pain and severe eye burns depending on duration of contact.

**SKIN CONTACT** - May cause reddening, inflammation, itching and burns

**INGESTION** - May cause nausea, vomiting, abdominal pain and burns of the mouth, throat and stomach.

First Aid Procedures:

**INHALATION** - Remove victim to fresh air. If breathing has stopped, give artificial respiration and contact physician. If breathing is difficult, seek medical attention.

**EYE CONTACT** - Irrigate with large amounts of water. Seek medical attention if irritation persists.

**SKIN CONTACT** - Wash with soap and water. Seek medical attention if irritation persists.

**INGESTION** - Do not induce vomiting. Contact physician immediately.

Carcinogenicity - May contain materials determined to be carcinogenic to laboratory animals.

Medical Conditions Aggravated By Exposure - pre-existing kidney, liver, skin and respiratory disorders.

**PERSONAL PROTECTION RECOMMENDATIONS**

Protective gloves and goggles. Good local exhaust/ventilation systems should be suitable for most jobsite conditions. For enclosed areas without adequate ventilation, use a NIOSH/MSHA approved respirator.

Wash hands thoroughly after handling and before eating or smoking.

**PRECAUTIONS FOR SAFE HANDLING AND USE**

Spill Procedure - Keep out of sewer systems. Dike and cover spill with absorbent material. Sweep or shovel up.

Waste Disposal Method - May be incinerated or land-filled in accordance with local, state and federal regulations.

Storage Precautions - Do not store in direct sunlight or at temperatures above 90°F for prolonged periods.

**SHIPPING INFORMATION**

Not regulated.