



Fibrecrete "G"

DESCRIPTION

Fibrecrete is a flexible repair for corner breaks, large cracks, spalled joints and pot holes in concrete. It is a hot applied, synthetic polymer modified resin compound containing mineral fillers, chopped fibers, and graded aggregates.

APPLICATIONS

Fibrecrete "G" is designed to replace traditional cementitious repairs, which are prone to failure due to their stiffness. The installed product is a load transferring repair that has superior tensile strength and flexibility to accommodate limited joint and crack movement due to thermal expansion and contraction, and vibratory movements. Fibrecrete "G" has exceptional resistance to water intrusion and to a broad range of salts, bases and organic materials, making the repair a long-term solution for highway maintenance projects.

MATERIAL SPECIFICATIONS

Fibrecrete "G" is a synthetic polymer modified resin binder factory blended with aggregates, fibers and mineral fillers, supplied in 50 pound meltable bags.

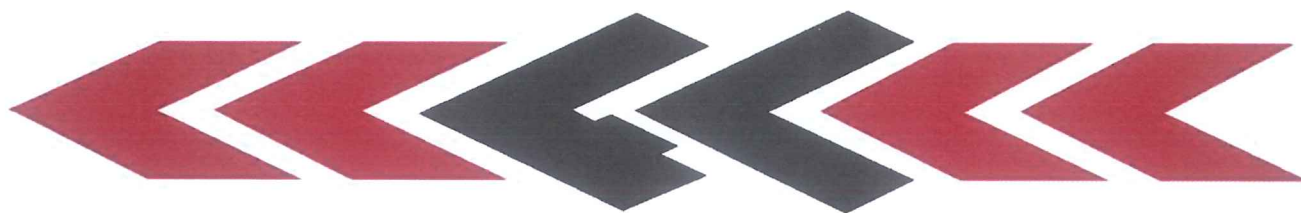
<u>PROPERTY</u>	<u>METHOD</u>	<u>REQUIREMENT</u>
Color		Grey
Tensile Strain	FTL Test Method *	35% minimum @ 2"/minute
Cone Flow	FTL Test Method *	7% maximum
Aggregate Settlement	FTL Test Method*	3% maximum
Flexibility / Mandrel	FTL Test Method *	Good or Better (no tearing at bend point)
Resilience	FTL Test Method *	50% Recovery
Recommended Application Temp.		300°F- 350°F
Specific Gravity		1.8-2.0

* FTL Test Methods are available upon request .

Marketing Associates, Inc.
131 St. James Way
Mount Airy, North Carolina 27030
336-789-7259

bpharr@marketingassociatesinc.com 336-479-1824

www.marketingassociatesinc.com



Fibrecrete Technologies, LLC

1. PRODUCT & COMPANY IDENTIFICATION

MANUFACTURER NAME: Fibrecrete Technologies LLC
301 Old Hwy 52 South
Mount Airy, NC 27030

SUPPLIER: Marketing Associates Inc.
131 St. James Way
Mount Airy, NC 27030

24 HR EMERGENCY TELEPHONE #: 336-755-5762 **INFORMATION TELEPHONE #:** 336-786-8244

PRODUCT NAME: Fibrecrete G

APPLICATION: Concrete Pavement Repair

2. COMPOSITION

	<u>CAS Number</u>	<u>Concentration</u>	<u>Exposure Limits/Health Hazards</u>
ROSIN ESTER	8050-26-8	0%-20%	ND
CRYSTALLINE SILICA (QUARTZ)	14808-50-7	0% -15%	Respirable Particulate: 0.1mg/m3 8-Hour TWA (OSHA) 0.1m/m3 8-Hour TWA (ACGIH) Total Particulate Dust: 0.3mg/m3 8-Hour TWA (OSHA)
STYRENE BUTADIENE STYRENE	9003-55-8	0%-10%	ND
NAPHTHENIC OIL	64742-59-2	0%-10%	ND
EVA COPOLYMER	24937-78-8	0%-5%	ND
CALCIUM CARBONATE	1317-65-3	0%-20%	15 mg/m3
PETROLEUM DISTILLATE	PROPRIETARY	0%-10%	ND
POLYMER MODIFIER	PROPRIETARY	< 20%	ND
GRANITE AGGREGATE	NA	NA	ND

Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time

The specific identities of some of the components of this product are being withheld as trade secrets. However, all pertinent hazards are addressed in this MSDS.

3. HAZARDS IDENTIFICATION

Primary Entry Routes: Inhalation, skin, and eye contact

FAMMABILITY HAZARDS

Non-Flammable (FLASH POINT > 445° F)

REACTIVITY HAZARDS

Stable

POTENTIAL HEALTH EFFECTS SKIN

May cause skin irritation, Repeated or prolonged skin contact may cause reddening, itching and inflammation.

Contact with heated material may cause thermal burns.

POTENTIAL HEALTH EFFECTS EYE

Moderate to severely irritating. Direct contact may cause irritation, redness, tearing and blurred vision.

Exposure to vapors, fumes or mists may cause irritation. Prolonged or repeated exposure may cause irritation.

Contact with heated material may cause thermal burns, destruction of eye tissue and possible permanent injury or blindness

POTENTIAL HEALTH EFFECTS, INHALATION

Fumes or vapors from the heated material may be irritating to the respiratory tract, symptoms may include sore throat, coughing, labored breathing, sneezing and burning sensation, depending on the concentration and duration of exposure.

POTENTIAL HEALTH EFFECTS, INGESTION

Ingestion of large amounts may cause gastrointestinal disturbances. May cause irritation of the mouth, throat and gastrointestinal tract. Symptoms may include salivation, pain, nausea, vomiting and diarrhea.

Aspiration into lungs may cause chemical pneumonia and lung damage.

4. FIRST AID MEASURES

SKIN

In case of skin contact wash immediately with soap and water. For hot material, immerse or flush skin with large amounts of the coldest water possible. Cover with clean cotton sheeting or gauze. Remove clothing if not sticking to skin. Do Not try to dissolve with solvents or thinners. GET IMMEDIATE MEDICAL ATTENTION

EYE

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. GET IMMEDIATE MEDICAL ATTENTION

INHALATION

Safely remove the victim from exposure. DO NOT ATTEMPT TO RESCUE WITHOUT ADEQUATE PROTECTIVE GEAR AND PROPER TRAINING. Remove to fresh air. If not breathing institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure airway is clear and give oxygen. GET IMMEDIATE MEDICAL ATTENTION

NOTES TO PHYSICIAN

Provide supportive measures and treat symptomatically. Decision to induce vomiting should be made by the attending physician.

For skin contact with hot material, do not peel the solidified material from the skin, or use solvents such as gasoline, kerosene, or paint thinner to remove. Cooled material may adhere so tenaciously to the skin that attempted removal may cause scarring and severe distress to the patient.

5. FIRE FIGHTING MEASURES

FLAMMABILITY CLASS: III B Combustible

BASIC FIRE FIGHTING PROCEDURES

Material will burn in a fire, Use water spray, dry chemical, all purpose AFFF or carbon dioxide to extinguish fire. Exercise extreme care when using water spray on tank fires. When water is mixed with hot material, steam may rapidly develop resulting in violent foaming and possible tank eruptions from increased pressure.

Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible. Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire.

Firefighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire involving this product may release carbon monoxide, carbon dioxide and other products of combustion.

Flash Point > 445° F

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION

Isolate spill area and keep unnecessary people away. Remove sources of heat or ignition.

ENVIRONMENTAL PRECAUTIONS

If product is released to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the released product. Notify local authorities and the National Response Center, if required.

SPILL OR LEAK PROCEDURE

Stop leak when safe to do so. For spills let material solidify and scrape up for disposal.

7. HANDLING & STORAGE

HANDLING

Do not eat, drink, or smoke in areas of use or storage.

Do not add or allow water to mix with hot material. When water is mixed with material, steam will develop rapidly. This could result in violent foaming or rupture of the storage vessel.

Store in dry well ventilated area away from sources of ignition and avoid extremes of temperature.

Empty containers may contain product residue. Do not reuse without adequate precautions.

When entering a storage vessel that has previously contained any type of hot product, it is recommended that the atmosphere be monitored.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Ventilation and other forms of engineering controls are the preferred means for controlling exposures.

EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT

Wear approved safety goggles. If potential of splashing wear face shield.

SKIN PROTECTION

Use appropriate chemical protective gloves when handling at room temperature. Use gloves that protect against thermal burns when handling at high temperatures. At a minimum, wear long-sleeved cotton shirt buttoned at the collar and full-length cotton pants. Synthetic fibers tend to melt and adhere to the skin when heated. Do not fold back or roll up cuffs.

RESPIRATORY PROTECTION

Respiratory protections should not be necessary under normal working conditions. Dust/mist: if concentrations are high wear approved respirators approved under your respiratory protection program.

For molten/heated product: GAS/VPOR and air purifying respirator may be used in accordance with your respiratory protection program. Warning! Air-purifying respirators do not protect workers from oxygen deficient atmospheres.

9. PHYSICAL & CHEMICAL PROPERTIES

ODOR AND APPEARANCE

Resin Odor/Grey Powder

Boiling Point	ND
Specific Gravity	1.7-2.0
Melting Point	NA
Percent Volatile	ND
Vapor Pressure	ND
Solubility in Water	Insoluble
Freezing Point	ND

10. STABILITY & REACTIVITY

STABILITY

This product is stable under normal conditions.

HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS

Smoke, Carbon Monoxide, Carbon Dioxide and other products of combustion.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA

Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following; kidney, skin, central nervous and respiratory systems.

Exposure to components of this material may cause the following specific symptoms, depending on the concentration and duration of exposure; fatigue, reduced appetite and respiratory effects.

CARCINOGENICITY

Some of the components of this product are hazardous in the dust form. These components include crystalline silica. However, because of the physical nature of this product, dust generation is slight, so the health effects associated with the dusts are minimal.

This material contains crystalline silica. IARC has determined that there is sufficient evidence for the carcinogenicity of crystalline silica in experimental animals. IARC has determined that there is sufficient evidence for the carcinogenicity of crystalline silica in humans.

Naphthenic oil contains polycyclic aromatic hydrocarbons which upon prolonged contact may cause cancer of the lungs and skin.

PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing medical conditions which may be aggravated by exposure include disorders of the skin and respiratory system.

12. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

This product, as supplied, when discarded or disposed of, will not be hazardous waste according to Federal regulations. Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 268 and 270. Disposal can occur only in properly permitted facilities. Check and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

13. TRANSPORT INFORMATION

Not classified as hazardous for transportation

14. REGULATORY INFORMATION

FEDERAL REGULATIONS

All known major components of this product are listed on the TSCA Inventory.

A release of this product, as supplied is exempt from reporting under the Comprehensive Environmental Response Compensation and Liability ACT (CERCLA) by the petroleum exclusion. Releases may be reportable to the National Response Center (100-424-8802) under the Clean Water Act, 33 U.S.C. 1321(B)(3) and (5). Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Failure to report may result in substantial civil criminal penalties.

This product does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization ACE (SARA) Section 313 (40 CFR 372).

There may be specific regulations at the local, regional or state/provincial level that pertain to this product.

NFPA RATINGS

Health 1 Flammability 1 Reactivity 0

15. OTHER INFORMATION

DISCLAIMER

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Revised 10/1/2007