Material Safety Data Sheet

Revision Issued: 10/08/2009 Supercedes: 9/25/2002 First Issued: 3/31/92

Section I - Chemical Product And Company Identification

Product Name: Desert Crete Liquid Polymer

CAS Number: N/A HBCC MSDS No. CD01507

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Section II - Regulated Ingredients

Non-Hazardous Ingredients.

Section III - Hazard Identification

Routes of Exposure: Desert Crete Liquid Polymer can affect the body if it is inhaled, ingested, or comes in contact with the eyes and skin.
Summary of Acute Health Hazards
Ingestion: May be harmful if swallowed.
Inhalation: Concentrated vapors can cause dizziness, headache and nausea. May cause irritation to lungs, nose and throat.
Skin: May be irritating to skin upon repeated or prolonged contact.
Eyes: May be slightly irritating to eyes.
Summary of Chronic Health Hazards:
Signs and Symptoms of Exposure: Contact with skin or eyes may cause irritation. Breathing of the vapor may irritate the nose and throat.
Effects of Overexposure: May cause anesthesia, headache, nausea, or dizziness.
Medical Conditions Generally Aggravated by Exposure: N/A
Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: Do not induce vomiting unless advised to do so by a physician. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation: Remove victim to fresh air and administer artificial respiration, if required. GET MEDICAL ATTENTION, if needed.
Skin: Flush skin with plenty of water. If rash develops, get medical attention. Remove contaminated clothing and wash before reuse.
Eyes: Immediately flush with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION, if discomfort persists.

Section V - Fire Fighting Measures

Flash Point: Non-Flammable
Autoignition Temperature: N/A
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A

Unusual Fire and Explosion Hazards: Material can splatter above 100°C/212°F. Polymer film can burn. Spilled polymer can be very slippery.

Extinguishing Media: Use foam, carbon dioxide or dry chemical. Use of water may cause fire to spread due to components that float on water.

Special Firefighting Procedures: N/A

Section VI - Accidental Release Measures

Eliminate all sources of ignition. Stop the leak, if possible. Provide adequate ventilation for the space involved. Reduce vapor spreading with a water spray. Construct a dike to prevent spreading. If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent (sodium bisulfate) and place in a container or dumpster pending disposal. Transfer to container by suction, preparatory for later disposal. Flush area with water spray. Wash contaminated property (e.g., automobiles) quickly before the material dries. Clean-up personnel must be equipped with self contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

Section VII - Handling and Storage

Store in a cool, dry, well ventilated area. Monomer vapors can be evolved when material is heated during processing. Keep away from: oxidizers. Avoid freezing temperatures during storage. Minimize contact with atmospheric air to prevent inoculation with microorganisms. If headspace ventilation is required, use air to reduce skin formation on emulsion surface. Do not store in iron or other reactive metal containers. Spilled polymer can be very slippery.
Other Precautions: Keep from freezing, material may coagulate, minimum storage temperature is 34°F, maximum is 120°F.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: N/A
Ventilation: Local is preferable, but mechanical is acceptable.
Protective Clothing: Protective rubber gloves are advisable, and chemical safety goggles or a face shield should be used.
Other Protective Clothing or Equipment: N/A
Work/Hygienic Practices: Employees who handle Desert Crete Liquid Polymer should wash their hands thoroughly before eating, drinking, smoking, or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section IX - Physical and Chemical Properties

Physical State: Liquid
pH: 9.0-10.0
Melting Point/Range: N/A
Boiling Point/Range: > 212°F
Appearance/Color/Odor: Liquid, milky colored, mild odor
Solubility in Water: Infinite
Vapor Pressure (mmHg): 17@68°F

Specific Gravity (Water=1): 1.01-1.03 **Molecular Weight:** N/A
Vapor Density (Air=1): < 1 **% Volatiles:** 72-74 by volume

Weight/Gallon: 8.4-8.6 **VOC:** ~0 Grams/Liter

Section X - Stability and Reactivity

Stability: Stable **Hazardous Polymerization:** Will not occur

Conditions to Avoid: N/A

Materials to Avoid: Mineral Acids (i.e. sulfuric, phosphoric, etc.), Alkalis (i.e. sodium or potassium hydroxide, etc.), Reactive metals (i.e. sodium, calcium, zinc, etc.)

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomers. Carbon monoxide and Carbon dioxide in a fire.

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Coagulate emulsion with ferric chloride alternating with lime. Dispose of in accordance with applicable local, county, state and federal regulations.

Section XIV - Transport Information

DOT Proper Shipping Name: Not-Regulated
DOT Hazard Class/ I.D. No.: Not-Regulated

Section XV - Regulatory Information

Reportable Quantity: N/A
NFPA Rating: Health - 1; Flammability - 0; Instability - 0
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Carcinogenicity Lists: No **NTP:** No **IARC Monograph:** No **OSHA Regulated:** No

Section XVI - Other Information

Synonyms/Common Names: Latex Bonding Agent
Chemical Family/Type: Acrylic Styrene Copolymer Emulsion
Section changed since last revision: IX

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the

suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.