

MATERIAL SAFETY DATA SHEET

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DATE PREPARED: November 7, 2000 REV. 021711

SECTION I – PRODUCT IDENTIFICATION

Product Code: S-1100, Super-Krete® Liquid Concentrate
HMIS: H-O F-1 R-O PP-G
Intended Use: Concrete resurfacing
CAS#: Mixture
CAS#: 7732175 Water

HMIS: H-1 F-0 R-O PP-

SECTION II – PHYSICAL DATA

Appearance: Milky white liquid
Odor: Slight acetic
Solubility in Water: Dispersable
Boiling Point: 212 degrees F- 225
Freezing Point: 0 degrees F
Vapor Density: Heavier than air
pH: 4-6

SECTION III – FIRE & EXPLOSION DATA

Flash Point: N/A
Lower Explosion Limit: N/A
Upper Explosion Limit: N/A
Extinguishing Media: Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog

Unusual Fire & Explosion Hazards: Extinguishing media above is recommended on dried films of the material that is burning. This product is non-combustible, however, dried films are capable of burning and supporting combustion when in contact with flames. Containers of this material may build up pressure if exposed to fire. Use water to spray cool fire-exposed containers. Closed containers may rupture when exposed to extreme heat.

Hazardous Combustion Products: Irritating and toxic gases, vapors and dusts may be generated and released during combustion.

Note: This material in a wet state is (42%) H₂O. In a dry state it is mixed with (1 to 2) parts portland cement and (1 to 3) parts aggregate.

Special Firefighting Procedures: Observe recommended procedures in handling fire areas. Wear appropriate firefighting equipment including self-contained breathing apparatus and full fire protective clothing. Thoroughly decontaminate all protective equipment after use.

SECTION IV – HEALTH HAZARD DATA

Effects of Overexposure: Vapor odors may cause irritation in the upper and lower respiratory tracts in addition to nausea, headaches, and dizziness.

EYE CONTACT: Can cause irritation, redness and tearing.

INHALATION: Inhalation of vapor may cause irritation to the respiratory tract.

SKIN CONTACT: Can cause minor irritation.

INGESTION: Can cause nausea, vomiting, diarrhea, and gastrointestinal irritation. No hazard in normal industrial use.

Chronic Exposure: Prolonged or repeated contact with skin may cause irritation and dermatitis.

Carcinogenicity: This material does not contain 0.1% or more of any chemical regulated by the Occupational Safety and Health Administration as a carcinogen.

First Aid Procedures: If affected by vapors, move to fresh air. Apply artificial respiration to person who loses consciousness and call doctor immediately. Treat eye and skin contact by washing thoroughly with clean water. If irritation persists, see a doctor immediately. Wash contaminated clothing before use. If material is ingested and the person is conscious, give two (2) glasses of water to drink and call a doctor immediately. Never give anything by mouth to an unconscious person.

SECTION V – REACTIVITY DATA

Stability: Stable at normal temperatures and storage conditions.

Hazardous Decomposition Products: Thermal decomposition may form and produce various hydrocarbons and irritating vapors.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid temperatures below forty (40) degrees F. Avoid freezing conditions.

Incompatibility: Avoid materials that react with water. Also avoid acids and alkali.

SECTION VI – SPILL OR LEAK PROCEDURES

In case of leak or spill: Dike or absorb spilled material with absorbent material such as sand, earth, or saw dust. Use rags to clean up small amounts of spilled material.

Large spill: Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed. Stop leak at source when it is safe to do so. Dike and pump the liquid into waste containers. Prevent spilled material from contaminating soil, entering sanitary sewers, storm sewers and drainage systems and prevent from entering into bodies of water that lead to waterways.

Waste Disposal Method: Collect contaminated absorbed material and rags into a disposal container and dispose of in accordance with local, state and federal regulations. Consult with your local hazardous waste regulations regarding landfill dumping.

SECTION VII – SAFE HANDLING AND USE INFORMATION

- Skin: Avoid prolonged or repeated skin contact.
- Respiration Protection: Avoid breathing vapor. Wear approved respirator unless ventilation equipment is adequate to keep airborne concentrations below the exposure standards.
- Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations below specified TLV ranges. If adequate, use local exhaust.
- Protective Gloves: Use impermeable solvent resistant gloves to protect from skin contact.
- Eye Protection: Use safety goggles, chemical safety glasses and/or face shields.
- Other Protective Equipment: Impermeable aprons and protective clothing are advised when working with this product. The use of head caps are recommended whenever possible.
- Hygienic Practices: Eye washes and safety showers in the workplace are recommended.

SECTION VIII – HANDLING & STORAGE

Precautions to be taken in HANDLING & STORAGE: Keep containers closed when not in use. Do not store or handle near heat flames and strong oxidants. Store in cool, dry, well-ventilated area. Rotate stock.

Other precautions: Do not store in freezing areas. Keep above forty (40) degrees F. Keep out of the reach of children.

SECTION IX – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory Protection: Good general ventilation should be sufficient to control airborne levels of irritating vapors. Respiratory protection is not generally required during normal use and handling. The need for respiratory protection should be evaluated if this material is sprayed or heated in poorly ventilated areas.
- Eye Protection: Wear safety glasses with side shields and a face shield. Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.
- Skin Protection: Nitrile, neoprene or rubber gloves should provide protection against skin contact.

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