

SECTION 1: IDENTIFICATION

Manufacturer : Superior Surface Solutions, Inc.
 Address : 701 Woodswether Rd Kansas City, MO 64105
 Telephone # : (816) 471-5227
 Emergency : INFOTRAC: 1-800-535-5053
 Product Class : DIVISION 3
 Trade Name : Diamakrete Grout
 Recommended and Restricted Uses : Building materials, construction applications

SECTION 2: HAZARD IDENTIFICATION

SIGNAL WORD: Danger

HAZARD STATEMENTS: Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause cancer.



PRECAUTIONARY STATEMENTS: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection.

SECTION 3: COMPOSITION

No.	Component	CAS#	% by Weight	SARA 313	Vapor Pressure (mm Hg @ 20 C)	LEL (@25 C)
1	Microcrystalline Silicon Dioxide	14808-60-7	0-2.5	NO	N/A	N/A
2	Portland Cement	65997-15-1	40-50	NO	N/A	N/A

Component #1 is listed by the IARC and NTP as probably carcinogenic to humans (IARC Group 2A). N/A: = Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313"

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least fifteen (15) minutes. Seek medical attention if symptoms persist. Symptoms of eye contact include **pain**, watering and **redness**.

SKIN CONTACT: Remove contaminated shoes and clothing. Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation occurs. Do not reuse clothing until thoroughly decontaminated.

INHALATION: Remove victim to fresh air and treat symptomatically. Provide oxygen if breathing is difficult. Give artificial respiration if the victim is not breathing. Seek prompt medical attention.

INGESTION: Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician or poison control center and/or transport to an emergency facility immediately.

POTENTIAL SYMPTOMS AND EFFECTS FROM ACUTE EXPOSURES (DELAYED OR IMMEDIATE):

EYE CONTACT: Causes serious eye damage.

INHALATION: May cause respiratory irritation.

SKIN CONTACT: Causes severe burns. Discomfort or pain cannot be relied upon to alert a person to a serious injury. You may not feel pain or the severity of the burn until hours after the exposure. Chemical burns must be treated promptly by a physician. May cause an allergic skin reaction.

INGESTION: Not expected to be a significant route of entry. May cause burns to mouth, throat and stomach.

POTENTIAL SYMPTOMS AND EFFECTS FROM OVER-EXPOSURES:

EYE CONTACT: Adverse symptoms may include the following: pain, watering and redness

INHALATION: Adverse symptoms may include the following: respiratory tract irritation and coughing

SKIN CONTACT: Adverse symptoms may include the following: pain or irritation, redness and blistering may occur, skin burns, ulceration and necrosis may occur

INGESTION: Adverse symptoms may include the following: stomach pains

SECTION 4: FIRST AID MEASURES (CONTINUED)

RECOMMENDATIONS FOR IMMEDIATE MEDICAL ATTENTION / TREATMENT:

IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED: Seek medical treatment and contact poison treatment specialist immediately.

NOTES TO PHYSICIAN: Treat symptomatically.

PROTECTION OF FIRST-AIDERS: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION:

NFPA: None

DOT : Not regulated

FLASH POINT: Greater than 750 degrees F.

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: This product will not burn. Avoid breathing dust if bags are damaged.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None recognized.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

LARGE SPILLS: Evacuate hazard area of unprotected personnel. Wear appropriate dust mask and protective clothing. Shut source of leak only if safe to do so. Avoid inhaling dust. Place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above.

SMALL SPILLS: Pick up loose material and place in non-leaking containers; seal tightly for proper disposal.

SECTION 7: STORAGE AND HANDLING/PPE

PRECAUTIONS FOR SAFE HANDLING:

PROTECTIVE MEASURES: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

OCCUPATIONAL HYGIENE: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

CONDITIONS FOR SAFE STORAGE: Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances.

SECTION 8: EXPOSURE CONTROLS

No.	PEL/TWA	OSHA PEL/CEILING	PEL/ STEL	SKIN	TLV/TWA	ACGIH TLV/CEILING	TLV/ STEL	SKIN
1	+	N/E	N/E	N/E	0.025 mg/m ³ *	N/E	N/E	N/E
2	15 mg/m ³ *	N/E	N/E	N/E	+	N/E	N/E	N/E

N/E = Not established * =Respirable Fraction (Nuisance Dust) + = 10 mg/m³

CONTROLS:

APPROPRIATE ENGINEERING CONTROLS: Use only with adequate ventilation. If user operations generate dust, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

ENVIRONMENTAL EXPOSURE CONTROLS: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 8: EXPOSURE CONTROLS (CONTINUED)**HYGIENE:**

WASH: Clean water should always be readily available for skin and (emergency) eye washing. Periodically wash areas contacted by Portland Cement with a pH neutral soap and clean, uncontaminated water. If clothing becomes saturated with Portland Cement, garments should be removed and replaced with clean, dry clothing. Remove protective equipment and saturated clothing before entering eating areas.

PPE:

EYE/FACE PROTECTION: To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Wearing contact lenses when working with cement is not recommended.

HAND PROTECTION: Use impervious, waterproof, and alkali-resistant gloves. Do not rely on barrier creams in place of impervious gloves. Do not get Portland Cement inside gloves. Recommended material: Nitrile® **BODY PROTECTION:** Use impervious, waterproof, abrasion and alkali-resistant boots and protective long-sleeved and long-legged clothing to protect the skin from contact with wet Portland Cement. To reduce foot and ankle exposure, wear impervious boots that are high enough to prevent Portland Cement from getting inside them. Do not get Portland Cement inside boots, shoes, or gloves. Remove clothing and protective equipment that becomes saturated with cement and immediately wash exposed areas of the body.

OTHER SKIN PROTECTION: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. Footwear and other gear to protect the skin should be approved by a specialist before handling this product.

RESPIRATORY PROTECTION: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and assigned protection factor of the selected respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Powder with intermixed aggregated	LOWER FLAMMABLE LIMIT	: Not Applicable
COLOR	: Gray	UPPER FLAMMABLE LIMIT	: Not Applicable
ODOR	: Odorless	VAPOR PRESSURE	: Not Applicable
ODOR THRESHOLD	: Not Applicable	VAPOR DENSITY	: Not Applicable
pH	: 12-13	RELATIVE DENSITY SOLUBILITY	: Slightly soluble in water
MELTING POINT	: Not Available	PARTITION COEFFICIENT: N-OCTANOL/WATER	: Not Applicable
BOILING POINT	: >1000 C	AUTO-IGNITION TEMPERATURE	: Not Applicable
FLASH POINT	: Not Flammable	DECOMPOSITION TEMPERATURE	: Not Applicable
EVAPORATION RATE	: Not Applicable	VISCOSITY	: Not Applicable
FLAMMABILITY	: > 1 (air = 1)		

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL REACTIVITY: Not reactive under normal use.

STABILITY: Stable under recommended conditions

POSSIBILITY OF HAZARDOUS REACTIONS: Not available.

CONDITIONS TO AVOID: Exposure to moisture

INCOMPATIBLE MATERIALS: Unhardened concrete is alkaline and is incompatible with acids, ammonium salts and aluminum metals. Portland cement dissolves in hydrofluoric acid and produces silicon tetrafluoride gas. Portland cement reacts with water to form silicates which in turn react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No LD50/LC50 available.

EYE CONTACT: This material may cause mild eye irritation.

SKIN CONTACT: Exposure may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, drying, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INHALATION: Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes. Based on the presence of component 1 chronic exposure of silica dust may cause lung disease (silicosis).

SECTION 11: TOXICOLOGICAL INFORMATION (CONTINUED)

INGESTION: This material may cause irritation of the gastrointestinal tract.

SIGNS AND SYMPTOMS: Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product.

POTENTIAL IMMEDIATE EXPOSURE EFFECTS: No known significant effects or critical hazards.

POTENTIAL DELAYED EXPOSURE EFFECTS: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No data available

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL: No data available

MOBILITY IN SOIL: No data available

OTHER ADVERSE EFFECTS: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Observe all Federal, State and local regulations regarding proper disposal.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: Not regulated

PROPER SHIPPING NAME: Not regulated

PACKING GROUP: Not regulated

HAZARD CLASS: Not regulated

TRANSPORT IN BULK: Not regulated

SPECIAL PRECAUTIONS: Ensure that persons transporting the product know what to do in the event of an accident or spillage

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: Not listed

§302 COMPONENTS: Not listed

§304 COMPONENTS: Not listed

§313: COMPONENTS: Not listed

CALIFORNIA PROP. 65: This product contains a chemical (crystalline silica) known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION:

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