




Section 1 – Identification

SUPPLIER:	Superior Adhesives & Tools	NOTE: Blank spaces are not permitted. If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available.	
ADDRESS:	14000 Carlson Parkway Plymouth, MN 55441	Emergency Telephone Number (CHEMTREC)	(800) 424-9300
		Telephone Number for Information	(888) 398-6595
TELEPHONE:	888-398-6595	Recommended use of the chemical and restrictions on use: This product is used to fill in the spaces between the tiles. Avoid dust formation. Do not breathe dust. Avoid contact with acids.	
Product Identifier (as used on Label, SDS and list)			
<h3>Excel Unsanded Grout</h3> <p>Excel Unsanded Grout is available in several different colors with only minor differences in constituents. Therefore, the SDS is the same for all colors. Excel Unsanded Grout is available in 5# and 20# bags.</p> <p>Other means of identification: None.</p>			

Section 2 – Hazard Identification

Acute inhalation toxicity	Category: 2	Signal Word: DANGER
Known or presumed human carcinogen	Category: 1A	Signal Word: DANGER
Skin irritation, Category	Category: 2	Signal Word: WARNING
Eye irritation, Category	Category: 2A	Signal Word: WARNING
Target Organ Toxicity, Category	Category: 2	Signal word: WARNING

	<p>Hazard Statements: FATAL IF INHALED; CAUSES SERIOUS EYE IRRITATION; CAUSES SKIN IRRITATION; MAY CAUSE CANCER; MAY CAUSE DAMAGE TO ORGANS.</p>
	<p>Precautionary Statements:</p> <p>PREVENTION: Do not breathe dusts; use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Obtain special instructions before use. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.</p>
	<p>RESPONSE: If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment is urgent. (See First Aid Measures) If on skin: Wash with plenty of water. If skin or eye irritation occurs/persists: Get medical advice/attention. If exposed or concerned: Call a poison center/doctor. Take off contaminated clothing and wash it before reuse.</p> <p>STORAGE: Store locked up in a well-ventilated place with container tightly closed.</p> <p>DISPOSAL: Do not dispose of in compactors or any other trash bins where compression is possible. Dispose of per federal, state, and local regulations.</p>

Section 3 – Composition/Ingredients (*= trade secret)

Chemical Name	Common Name and synonyms	CAS No.	Percentage
Portland Cement	Hydraulic cement	65997-15-1	30-50
Calcium Carbonate	Ground limestone	471-34-1	1-15
Lithium Carbonate	Carbonic acid, dilithium salt, dilithium carbonate	554-13-2	0.18-0.28
Other components below reportable levels	Not applicable	Not applicable	1-35

Note: Excel Unsanded Grout contains zero percent crystalline silica; which is natural sand.

Section 4 – First Aid Measures

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. Inhalation of large amounts of Excel Unsanded Grout requires immediate medical attention.

SKIN CONTACT: If on skin, wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Seek medical treatment in all cases of prolonged wet skin exposure to Excel Unsanded Grout. Take off contaminated clothing and wash it before reuse.

EYE CONTACT: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

INGESTION: If swallowed: Call a poison center/doctor. Do not induce vomiting. Rinse mouth. May cause burns to mouth, throat and stomach.

MOST IMPORTANT SYMPTOMS/EFFECTS: Acute: May cause mild or severe irritation. Exposure to airborne dust may cause immediate or delayed irritation or inflammation.

Delayed: Prolonged exposure can cause severe skin damage in the form of caustic chemical burn. An allergic response is possible.

IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT: Emergency Medical Services/Poison Control Center.

Section 5 – Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA: Excel Unsanded Grout does not pose a fire hazard, however normal fires can be extinguished using water mist, CO₂, or Dry Chemical (AB, BC, ABC) extinguishers.

SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full-face mask and fire-fighter protective clothing when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

Excel Unsanded Grout	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARDS	0

NFPA Rating: Health: 3 Flammability: 0 Reactivity: 0

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin.

PROTECTIVE EQUIPMENT: In case of exposure to dust above the PEL, wear appropriate respiratory protection. If eye contact while using this product is anticipated, wear ANSI Z87 approved goggles or safety glasses. Wear chemical resistant gloves (such as nitrile or neoprene) and protective clothing to minimize skin contact.

EMERGENCY PROCEDURES: None.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Collect dry material using a scoop. Scrape up wet material and place in an appropriate container. Allow the material to dry before disposing. DO NOT attempt to wash Excel Unsanded Grout down drains.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Avoid dust formation. Do not breathe dust. Use adequate exhaust ventilation and dust collection. Keep Excel Unsanded Grout dry until used. Normal temperatures and pressures do not affect the material. Promptly remove dusty clothing or clothing which is wet with Excel Unsanded Grout and launder before reuse.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES: Wet Excel Unsanded Grout is alkaline. Avoid contact with acids.

Section 8 – Exposure Controls/Personal Protection

Component	OSHA PEL; TWA (8-Hr TWA)	ACGIH TLV
Portland Cement	15 mg/m ³ (T); 5 mg/m ³ (R)	1 mg/m ³ (R)
Calcium carbonate	15 mg/m ³ (T); 5 mg/m ³ (R)	Withdrawn - Insufficient data
Lithium Carbonate	None established	None established
Particulates Not Otherwise Regulated (PNOR)	15 mg/m ³ (T); 5 mg/m ³ (R)	10 mg/m ³ (T); 3 mg/m ³ (R)

(T) = Total particulate
 (R) = Respirable fraction *10/%SiO₂ + 2
 PNOR = Particulates not otherwise regulated

APPROPRIATE ENGINEERING CONTROLS: Use sufficient local exhaust ventilation, or other engineering controls to maintain the level of respirable SiO₂ below the OSHA PEL. General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT: To avoid exposures to silica dust in excess of the OSHA PEL, consider wearing air-purifying respirators with HEPA filters or NIOSH-approved dust respirators. Wear proper protective clothing (e.g. long pants and long-sleeved shirts) to avoid contact with alkaline dust. Use ANSI-approved eye protection and chemical resistant gloves.

RESPIRATORY PROTECTION: If it is not possible to reduce airborne exposure levels to below the OSHA PEL with ventilation, wear a NIOSH-approved air-purifying respirator with HEPA filters or a NIOSH-approved dust respirator.

EYE/FACE PROTECTION: Under normal conditions, wear safety glasses with side shields or safety goggles that meet the ANSI Z87 standard. In extremely dusty conditions wear ANSI-approved unvented safety goggles. DO NOT wear contact lenses.

HAND PROTECTION: Wear chemical protective gloves resistant to alkaline or caustic materials. DO NOT rely on barrier creams; barrier creams should not be used in place of chemical-resistant gloves. Nitrile gloves are recommended.

PROTECTIVE CLOTHING: Wear long pants and long-sleeved shirts while working with this material. Consider wearing chemical protective clothing resistant to alkaline or caustic materials.

Section 9 – Physical and Chemical Properties

APPEARANCE: Solid Powder, color varies	ODOR: None
pH: 9 -11	MELTING PT/FREEZING PT: 3727 ^o F (2053 ^o C)
BOILING POINT: N/A	FLASH POINT: N/A
FLAMMABILITY: N/A	EVAPORATION RATE: N/A
VAPOR DENSITY: N/A	RELATIVE DENSITY: 2.81 g/cc
VAPOR PRESSURE: N/A	EXPLOSIVE LIMITS: N/A
PARTITION COEFFICIENT: n-OCTANOL/WATER: N/A	VISCOSITY: N/A
DECOMPOSITION TEMPERATURE: Calcium sulfate, 1340 ^o C	SOLUBILITY IN WATER: Slight

Section 10 – Stability and Reactivity

REACTIVITY: None.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Avoid mixing with acids.

CONDITIONS TO AVOID: Releasing dust. Unintentional mixing with water.

INCOMPATIBLE MATERIALS: Acids, ammonium salts and aluminum metal. Excel Unsanded Grout will dissolve in hydrofluoric acid producing toxic and corrosive silicon tetrafluoride gas. Contact with acids may also produce carbon dioxide gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Will not spontaneously occur. Calcium sulfate decomposes to Calcium Oxide and (CaO) and Sulfur Dioxide (SO₂) above 1340^oC.

Section 11 – Toxicological Information

Routes of Entry: Inhalation: YES Ingestion: YES Eye: YES Skin: YES

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: May cause mild or severe irritation. Prolonged exposure can cause severe skin damage in the form of caustic chemical burn. An allergic response is possible. Excel Unsanded Grout may cause abrasion of the cornea.

IMMEDIATE AND DELAYED EFFECTS: Exposure to airborne dust may cause immediate or delayed irritation or inflammation. Small quantities of dust are not known to be harmful, however ill effects are possible if large quantities are consumed. Excel Unsanded Grout should not be eaten.

CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE: May cause mild or severe irritation. Prolonged exposure can cause severe skin damage in the form of caustic chemical burn. An allergic response is possible. Silicosis. A major concern is inhalation of silicon dioxide. Chronic or Ordinary Silicosis (often referred to as Simple Silicosis) is the most common form of silicosis and can occur after many years of exposure to relatively low levels of airborne respirable crystalline silica dust. Simple silicosis is characterized by lung lesions (shown as radiographic opacities) less than 1 cm in diameter, primarily in the upper lung zones. Often, simple silicosis is not associated with symptoms, detectable changes in lung function or disability. Simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF). Although there may be no symptoms associated with PMF, the symptoms, if present, are shortness of breath, wheezing, cough and sputum production. PMF may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may result in heart disease secondary to the lung disease. Autoimmune diseases. Several studies have reported excess cases of several autoimmune disorders – scleroderma, systemic lupus erythematosus, rheumatoid arthritis – among silica-exposed workers.

LC50/LD50: Oral LD50, rat: Not determined
 Oral LD50, rabbit: Not determined
 Inhalation LC50, mouse: Not determined
 Dermal LD50, rat: Not determined

Carcinogenicity: YES. The International Agency for Research on Cancer (IARC) concluded that there was “sufficient evidence” in humans for the carcinogenicity of crystalline silica (Group 1) in the forms of quartz or cristobalite from occupational sources. The overall IARC evaluation was that “crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1). The IARC evaluation noted that carcinogenicity was not detected in all industrial circumstances. The National Toxicology Program (NTP) classifies respirable crystalline silica as Known to be a Human Carcinogen.

Section 12 – Ecological Information (Non-mandatory)

ECOTOXICITY: No recognized unusual toxicity to plants or animals.

PERSISTENCE AND DEGRADABILITY: Stable under normal conditions.

BIO ACCUMULATIVE POTENTIAL: None.

MOBILITY IN SOIL: Minimal to low.

OTHER ADVERSE EFFECTS (such as hazardous to the ozone layer): None known.

Section 13 – Disposal Considerations (Non-mandatory)

WASTE DISPOSAL OF SUBSTANCE: Do not discharge into waterways, drains, or sewer systems.

CONTAINER DISPOSAL: Dispose of in accordance with federal, state and local regulations.

RCRA: None listed.

Section 14 – Transport Information (Non-mandatory)

DOT, IATA, IMO/IMDG SHIPPING INFORMATION

UN Identification Number: N/A

DOT Shipping Name: N/A

Hazard Class: N/A

IMDG-P.S.N.: N/A

IATA-P.S.N.: N/A

IMDG-Class: N/A

IATA-CLASS: N/A

IMDG-Marine Pollutant: No

IATA-Packing Group: N/A

IMDG-Packing Group: N/A

Section 15 – Regulatory Information (Non-mandatory)

U.S. SARA REPORTING REQUIREMENTS: The components of this mixture are not subject to the reporting requirements of Sections 302, 304 and 313 of Title II of the Superfund Amendments and Reauthorization Act.	
SARA 311/312: Immediate and Delayed Health effects; Yes Fire Hazard; No Pressure; No	
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs. (4,540 kg) therefore applies, per 40 CFR 370.20.	
U.S. CERCLA REPORTABLE QUANTITY (RQ): None.	
U.S. TSCA INVENTORY STATUS: Calcium carbonate (CAS # 471-34-1) Portland cement (CAS # 65997-15-1) are listed on the TSCA inventory.	
TSCA SIGNIFICANT NEW USE RULE: None of the chemicals in this mixture have a SNUR under TSCA.	
CLEAN AIR ACT: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.	
CLEAN WATER ACT: None of the chemicals in this mixture are listed as Hazardous Substances under the CWA. None of the chemicals in this mixture are listed as Priority Pollutants under the CWA. None of the chemicals in this mixture are listed as Toxic Pollutants under the CWA.	
OSHA: None of the chemicals in this mixture are considered highly hazardous by OSHA.	
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains chemicals that are not classified as a substance known to the state of California to be a carcinogen.	
California Significant Risk Level: This product contains no chemicals known to the State of California to cause cancer. California Inhalation Reference Exposure Level (REL): California established a chronic REL of 3 ug for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.	
OTHER STATE SPECIFIC REGULATIONS: Massachusetts Toxic Use Reduction Act: Portland cement is on the RTK list for purposes of the Massachusetts Toxic Use Reduction Act. Pennsylvania Worker and Community Right to Know Act: Portland cement is on the RTK list under the Act, but it is not a special hazardous substance or an environmental hazardous substance.	
Section 16 – Other Information	
PREPARED BY: Bryan Cleavenger CREATED: January 25, 2024 EMAIL ADDRESS: Bryan@Cleavengercompliance.com	
TRAINING NECESSARY:	Yes. Training under the OSHA HazCom GHS requirements (29 CFR 1910.1200) must be completed upon initial assignment for new employees.
INTENDED USE OF THIS PRODUCT:	This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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