

MATERIAL SAFETY DATA SHEETWel-Cote™ Tile Grout
10/01/02FILE NO.: TG
MSDS DATE:**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Wel-Cote™ Tile Grout
SYNONYMS: Grout
PRODUCT CODES: 515(1 lb.), 516(5 lb.), 517(25 lb.)

MANUFACTURER: Welco Manufacturing Company
ADDRESS: 1225 Ozark Street, North Kansas City, Missouri 64116

EMERGENCY PHONE: (800)821-7352
OTHER CALLS: (816)471-1788
FAX PHONE: (816) 471-3439

CHEMICAL FAMILY: Dry mixture of portland cement and limestone.
CHEMICAL FORMULA: Compound

PRODUCT USE: Ceramic tile finishing.
PREPARED BY: Robert L. Hamilton

SECTION 1 NOTES:**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

| INGREDIENT | CAS Number | % WT | % VOL | TLV (mg/m³) | PEL(mg/m³) |
|--------------------|------------|------|-------|-------------|------------|
| Limestone | 1317-65-3 | >20 | 10 | 15(T)/5(R) | |
| Portland Cement | 65997-15-1 | >50 | >50 | 10 | 5 |
| Calcium Hydroxide | 1305-62-0 | >10 | 5 | 15(T)/5(R) | |
| Crystalline Silica | 14808-60-7 | <2 | <2 | 0.1(R) | 0.1(R) |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not hazardous when used according to directions.

ROUTES OF ENTRY: Eyes, Mouth, and Nose

POTENTIAL HEALTH EFFECTS

EYES: Contact can cause mechanical irritation, and caustic burns.

SKIN: Prolonged contact may cause irritation and burns.

INGESTION: Internal discomfort or nausea are possible if swallowed.

INHALATION: Inhalation of dust may irritate nose, throat, and lungs. Remove to fresh air.

ACUTE HEALTH HAZARDS: See above.

CHRONIC HEALTH HAZARDS: Chronic overexposure to dust may result in lung disease and/or cancer.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing upper respiratory and lung diseases, which may include, but are not limited to, bronchitis, emphysema, and asthma.

CARCINOGENICITY

MATERIAL
Respirable Crystalline Silica

NTP:
Anticipated

IARC:
Group 1

SECTION 3 NOTES: When used as directed, quantities of Respirable Silica would be expected to be less than the prescribed OSHA/NIOSH limits. Wear eye and skin protection. Use NIOSH/MSHA approved respirator.

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SECTION 4: FIRST AID MEASURES

EYES: Rinse with water for at least 15 minutes. Call a physician.

SKIN: Wash with soap and water. Seek medical treatment in the event of burns.

INGESTION: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

INHALATION: Remove to fresh air. If respiratory symptoms persist, consult physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Rinse affected areas with water.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: None
LOWER: None

FLASH POINT: Non-Combustible

AUTOIGNITION TEMPERATURE: None

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

OTHER: N/A

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: 0

EXTINGUISHING MEDIA: Use appropriate extinguishing media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use normal clean up procedures. Wear appropriate protective equipment. Shovel material into a waste container for disposal.

SECTION 6 NOTES: Dispose of material in accordance with federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Use appropriate personal protection equipment when handling and finishing.

OTHER PRECAUTIONS: Do not store outside. Avoid unintentional contact with water.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Minimize dust exposure in accordance with good hygiene practices.

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VENTILATION : Ventilate to keep exposures below TLV.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respirator.

EYE PROTECTION: Wear safety glasses or goggles to prevent particulate irritation to the eye.

SKIN PROTECTION: Wear appropriate gloves to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: Follow acceptable good hygiene practices.

EXPOSURE GUIDELINES: Avoid exposure to dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to off-white powder

ODOR: Low odor.

PHYSICAL STATE: Dry powder.

pH AS SUPPLIED: 12 to 13 in water.

BOILING POINT: N/A

F:

C:

MELTING POINT: N/A

F:

C:

FREEZING POINT: N/A

F:

C:

VAPOR PRESSURE (mmHg):

@

F:

C:

SPECIFIC GRAVITY (H₂O = 1): 3

SOLUBILITY IN WATER: Soluble

PERCENT SOLIDS BY WEIGHT: 100

PERCENT VOLATILE:

BY WT/ BY VOL @ 212°F/ 100°C

VOLATILE ORGANIC COMPOUNDS (VOC):

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Yes

CONDITIONS TO AVOID (STABILITY): Unintentional contact with water.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids, ammonium salts and aluminum metal.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Will not occur

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HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None.

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SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not toxic.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No effect known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations, as these will differ from one area to the next.

RCRA HAZARD CLASS: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Wel-Cote® Tile Grout

HAZARD CLASS: None

ID NUMBER: NMFC 42140

PACKING GROUP: None

LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: None