

C/G Grout

Material Safety Data Sheet
Effective Date 3/99

HMIS Ratings
Health-1
Flammability-0
Reactivity-0
Personal Protection - X

SECTION 1 Hazardous Ingredients

| COMPONENT | CAS# | OSHA PEL | TWA | ACGIH TLV | TWA | NIOSH TWA |
|---------------------------------|------------|--------------------|---------------------|---------------------|----------------------|-----------------------|
| Portland Cement | 65997-15-1 | 5mg/m ³ | | 10mg/m ³ | | |
| Silicon Dioxide, Silica, Quartz | 14808-60-7 | | 10mg/m ³ | | 0.1mg/m ³ | 0.05mg/m ³ |

OSHA ingredient permissible exposure limit: 18mg/m³

ACGIH ingredient TLV-TWA: 30mppcf (10mg/m³)

Total dust: 5mg/m³

The 1974 NIOSH Criteria for a recommended Standard for Occupational Exposure to Crystalline Silica should be consulted for more detailed information.

Note: The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA June 30, 1993 following a decision by the 11th Circuit Court of Appeals. These PEL's are now being enforced by Federal OSHA. Be aware that more restrictive exposure limits may be enforced by some states, agencies, or other authorities.

SECTION 2 Physical Data

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|----------------------|-------------------------|-------------------------|
| pH | 1% solution (approx.) | 12.0 |
| Flash point | >200°F | Seta cc |
| Vapor Pressure | NA | |
| Viscosity | NA | |
| Evaporation rate | NA | |
| Physical State | Gray, dry powder | |
| Odor | Mild cement | |
| Sp. Gr. | Bulk density (ambient)= | 120lbs./ft ³ |
| % solubility (water) | 1% (leaves sediment) | |

SECTION 3 Reactivity Data

Thermal decomposition yields oxides of Ca, S, N, Na, K and Halogens if present.

SECTION 4 Health Hazard Effects

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| Acute Skin Effects | May cause skin irritation after contact. Hypersensitive individuals may develop an allergic response. |
| Eye Effects | Irritating to the eyes. |
| Respiratory Effects | May cause minor irritation to upper respiratory tract. |
| Inhalation | Breathing silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have serious chronic effects including Silicosis, Cancer, Scleroderma, Tuberculosis and Nephrotoxicity. |

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SECTION 5 First Aid Instructions

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| Skin Contact | Remove contaminated clothing. Wash exposed area with a large quantity of soap solution or water for at least 15 minutes. |
| Eye Contact | Immediately flush with water for at least 15 minutes. Contact a physician immediately for additional treatment. |
| Inhalation Exposure | Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary. |
| Ingestion | Do not feed anything by mouth to unconscious or convulsive victim. Dilute contents of stomach. Contact physician immediately. |

SECTION 6 Spill, Disposal and Fire Instructions

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| Spill Instructions | Contain and sweep up material. Place in closed containers <u>Specific:</u> Avoid breathing dust. |
| Disposal Instructions | Dispose of in accordance with local, state, and federal regulations. |
| Fire Extinguishing Instructions | Material will not contribute to combustion. Foam or water may create a slippery condition. Contact with water may cause eventual reaction to form a hard, inert solid. |

SECTION 7 Special Protective Equipment

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| Ventilation Equipment Recommended | Adequate ventilation. Mechanical ventilation in confined areas. If ventilation is inadequate or significant product exposure is likely, Use of a NIOSH/MSHA approved respirator recommended. |
| Respiratory Protection Recommended | Rubber gloves and full coveralls |
| Skin Protection Recommended | Splash proof chemical goggles. |
| Eye Protection | |

SECTION 8 Storage and Handling Precautions

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| Storage Instructions | Keep in a dry environment, off of floor. |
| Handling Instructions | Normal chemical handling. |

SECTION 9 Federal Regulations

- FIFRA (40 CFR) –EPA Reg. No. Not applicable.
- OSHA (29 CFR Sec. 1910) – Safety and Health Standards-See Section 1.
- FDA (21 CFR) Ingredients authorized under – None.

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