

MATERIAL SAFETY DATA SHEET

Date: July 1, 2004

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: Empire Blended Products, Inc.
MANUFACTURER'S ADDRESS: 250 Hickory Lane
Bayville, New Jersey 08721
EMERGENCY PHONE NUMBER: (732) 269-4949

PRODUCT NAME: GROUT-IT
TRADE NAME AND SYNONYMS: Empire Blended Grout-It
CHEMICAL NAME: Portland Cement, Crystalline Silica (Quartz)
CHEMICAL FAMILY: Calcium Salts, Silicon Dioxide
FORMULA: CaO SiO₂

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silica, Crystalline Quartz	14808-60-7	60%	10mg/m ³ Respirable 30mg/m ³ Total	0.1mg/m ³ Respirable

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
MELTING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY: 2.90
PERCENT VOLATILE BY VOLUME: 0%
EVAPORATION RATE: N/A
APPEARANCE AND ODOR: Fine powder and granular material, gray color, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non-flammable, non-combustible or explosive
FLAMMABLE LIMITS: LEL: None UEL: None
EXTINGUISHING MEDIA: None

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY: **UNSTABLE:** ___ **STABLE:** X
CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: **MAY OCCUR:** ___ **WILL NOT OCCUR:** X
CONDITIONS TO AVOID: None

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: **INHALATION:** Yes **INGESTION:** No
SKIN ABSORPTION: No **NON HAZARDOUS:**

CARCINOGENICITY: **NTP:** No **OSHA:** No
IARC MONOGRAPH: Yes **NOT LISTED:**

HEALTH HAZARDS:

ACUTE: Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.

CHRONIC: Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis).

SIGNS AND SYMPTOMS OF EXPOSURE:

Material can dry the skin and cause alkali burns. Dust can irritate the eyes and upper respiratory system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pulmonary function may be reduced by inhalation of respirable crystalline silica.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Wash immediately with water. If irritation persists, seek medical attention.

SKIN CONTACT: Wash exposed areas with soap and water.

INHALATION: For gross inhalation remove person to fresh air, give artificial respiration as needed, seek medical attention as needed.

INGESTION:

SECTION VII - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): NIOSH approved respirator is recommended

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Recommended

VENTILATION TO BE USED:

LOCAL EXHAUST: Needed in dusty conditions

MECHANICAL:

SPECIAL:

OTHER:

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Boots when placing material

HYGIENIC WORK PRACTICES:

SECTION VIII - PRECAUTION FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Clean up immediately

WASTE DISPOSAL METHOD: Can be salvaged for use if not contaminated or removed as common waste

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid excessive contact with skin

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: Dustless method, (vacuum) preferable for cleanup.