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: MULTI-PURPOSE THIN SET MORTAR (White & Gray) **TRADE NAME AND SYNONYMS:** Empire Blended Multi-Purpose Thin Set Mortar

CHEMICAL NAME: Portland Cement, Crystalline Silica (Quartz)

CHEMICAL FAMILY: Calcium Salts, Silicon Dioxide

FORMULA: CaO SiO₂

SECTION II - HAZARDOUS INGREDIENTS

 COMPONENT
 CAS #
 %
 PEL
 TLV

Silica, Crystalline Quartz

14808-60-7

58%

10mg/m³ Respirable

0.1mg/m³ Respirable

30mg/m³ Total

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, white or 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	

SKIN ABSORPTION: No NON HAZARDOUS:

CARCINOGENICITY: NTP: No OSHA: No

PRIMARY ROUTES OF ENTRY: INHALATION:

IARC MONOGRAPH: Yes NOT LISTED:

Yes

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

INGESTION:

No

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.