MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION
TRADE NAME FINEX  GENERIC NAME Fibercement sheets

CHEMICAL FORMULA  ISSUED DATE  REVISED DATE
CaO SiO₂ ₂H₂ O and Ca₂ SiO₄ with CaSiO₃ and C₆ H₁₀ O₅  February 2, 2000  March 2, 2002

1. INGREDIENTS
MATERIAL or COMPONENT  C.A.S. #  WT %  PERMISSIBLE AIR CONCENTRATION
Calcium silicate matrix (tobermorite) 1344-95-2 6 to 90%  \[10 \text{ mg} / \text{m}^3\]
Calcium silicate aciculae (xonotlite, etc) 13983-17-0 5 to 20%  \[10 \text{ mg} / \text{m}^3\]
Fibres synthetics 65996-61-4 5 to 20%  \[10 \text{ mg} / \text{m}^3\]
Quartz as unreacted by-product 14808-60-7 trace 0.8 mg / m³ OSHA

2. PHYSICAL DATA
BOILING POINT  SPECIFIC GRAVITY
N/A  1.36 to 1.6 g / cm³
SOLUBILITY IN WATER  PERCENT VOLATILE
Insoluble  N / A
APPEARANCE AND ODOR
Gray sheeting. No odor

3. FIRE AND EXPLOSION DATA
FLASH POINT  EXTINGUISHING MEDIA
N / A  N / A
SPECIAL FIREFIGHTING PROCEDURES  UNUSUAL FIRE OR EXPLOSION HAZARDS
N / A  May spall explosively if heated very rapidly

4. HEALTH HAZARD INFORMATION
INHALATION
Possible hazard from traces or quartz released by cutting sanding or shaping
Reference CFR 1910.1000 - Table Z3 - PEL 10 mg / m³ : % SiO₂ + 2
INGESTION
No known hazard
SKIN ABSORPTION  SKIN CONTACT
None  Inert

5. CONDITION FOR SAFE USE
RESPIRATORY PROTECTION  If airborne concentrations exceed permissible limits, wear a respirator approved by NIOSH or MSHA for crystalline silica.
EYE PROTECTION  Wear goggles or face shield while cutting or shaping the product.
PROTECTIVE GLOVES  Not required
OTHER PROTECTIVE CLOTHING / EQUIPMENT  Not required
VENTILATION REQUIREMENTS  If permissible air concentrations are exceeded, use local or general ventilation to comply with limits.
STEPS TO BE TAKEN IF MATERIAL IS BROKEN OR CRUSHED  Vacuum clean dust produced by shaping and installation. If sweeping is inevitable, use a dust suppressant or wet with a water mist before sweeping.
6. SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS FOR HANDLING & STORAGE  If permissible airborne concentrations are exceeded, use natural or mechanical ventilation to comply with limits.

OTHER PRECAUTIONS
Avoid creating dust

ADDITIONAL INFORMATION

ACUTE EFFECTS OF INHALATIONS:
High dust concentrations can irritate the upper respiratory system.

CHRONIC EFFECT OF QUARTZ INHALATION:
Excessive and prolonged inhalation of crystalline silica (quartz) dust concentrations levels above 0.8 mg / m³ might cause pulmonary fibrosis leading to silicosis which is a chronic slowly-developing disease. Silicosis may become a progressive irreversible pneumoconiosis. Pre-existing respiratory diseases such as bronchitis, emphysema, asthma and tuberculosis may be aggravated by excess exposure.

PREPARED BY DATE TITLE
Helios D. Muñoz, M. Eng. February 2, 2000 Director Technical Services

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