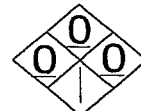


Health Hazard	1*
Fire Hazard	0
Reactivity	0
Personal Protection	0

HMIS RATING

MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: December 28, 2009

Page 1 of 2

Supersedes: September 3, 2009

SECTION I - PRODUCT INFORMATION

1. **MANUFACTURER'S NAME AND ADDRESS:**
ISOLATEK INTERNATIONAL/CAFECO INDUSTRIES
41 Furnace Street
Stanhope, NJ 07874
973-347-1200
2. **EMERGENCY TELEPHONE NUMBER:**
CHEMTREC 703-527-3887
3. **CHEMICAL NAME AND SYNONYMS**
Spray-Applied Fire-Resistive Materials (SFRMs)
4. **CHEMICAL FAMILY:**
Calcium Silicates, Calcium Aluminates, Alumino Silicates
5. **FORMULA:**
Blend of Portland Cement and Vermiculite Aggregate
6. **TRADE NAMES AND SYNONYMS:**
FENDOLITE® TG

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV-TWA
Powdered Binders & Fillers Nuisance Particulates	N/Ap	Total Dust: 15mg/m ³ Respirable Fraction: 5mg/m ³	10mg/m ³ 3mg/m ³
Mica	12001-26-2	20 mppcf	3 mg/m ³

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

1. Boiling Point (°F): N/Ap
2. Vapor Pressure (mm Hg): N/Ap
3. Vapor Density (Air=1): N/Ap
4. Solubility in Water: Negligible
5. Specific Gravity (H₂O=1): 2.0
6. Melting Point (°F): >1800° F (981° C)
7. Evaporation Rate (Butyl Acetate = 1): N/Ap
8. Appearance and Odor: Gray powder with golden pellets and flakes; no odor.
9. Physical State: Solid
10. % Volatiles: 0
11. pH: 12-12.5

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

1. Flash Point (Method used): N/Ap
2. Flammable Limits: Noncombustible
3. Extinguishing Media: N/Ap
4. Special Fire Fighting Procedures: N/Ap
5. Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

1. Stability (under normal conditions): Stable
Conditions to Avoid: Contact with strong acids.
2. Incompatibility (Material to Avoid): Strong acids
3. Hazardous Decomposition Products: CO, CO₂
4. Hazardous Polymerization: Will not occur
Conditions to Avoid: N/Ap

NE = Not Established
N/Ap = Not Applicable

SECTION VI - HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, Skin and Eye Contact, Ingestion.

Acute: Inhalation: Dry mix may cause irritation to upper respiratory system.
Skin: When wet, the mix may dry the skin and cause alkali burns.
Eyes: Dry mix may cause irritation to the eyes.

Chronic: Dust may cause inflammation of the cornea; dermatitis may occur in sensitive individuals. Inhalation over long periods of high amounts of any dust may overload lung clearance mechanisms and make the lungs more vulnerable to disease.

Carcinogenicity: NTP - No IARC - No OSHA - No

Signs and Symptoms of Exposure: Coughing, drying and cracking of skin, eye irritation.

Medical Conditions Generally Aggravated by Exposure: Skin complaints, respiratory conditions. Any condition, which may be aggravated by mechanical irritants.

Emergency and First Aid Procedures:

Eye Contact: Wash eye out with plenty of clean water, and seek medical attention if irritation persists.
Skin Contact: Remove and wash with warm, clean water. If persistent irritation occurs (e.g. if allergic to cement) seek medical attention.
Inhalation: Breath fresh air. If a large amount has been inhaled, or distress is caused, seek medical attention.
Ingestion: Do not induce vomiting. Seek immediate medical attention.

USE NORMAL PERSONAL HYGIENE AFTER CONTACT TO REMOVE ANY MATERIAL CONTAMINANTS.

California Proposition 65

Warning: This product contains substances known to the State of California to cause cancer, birth defects, or other reproductive harm.

Chemical Name: Silica, crystalline CAS # 14808-60-7

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

- Steps to be taken in case material is released or spilled:
Sweep up and place in disposal containers. Avoid inhalation of dust.
- Waste Disposal Method: Land Fill - In accordance with local, state, and federal regulations.
- Precautions to be taken in handling and storing:
Avoid inhalation of dust during use. Avoid skin and eye contact. Use normal personal hygiene to remove material contaminants.

SECTION VIII - CONTROL MEASURES

- Respiratory Protection: Wear a NIOSH approved dust mask to prevent exposure above the limits specified under Section II.
- Ventilation: Sufficient to maintain dust levels below the limits specified under Section II.
- Protective Gloves: Wear cloth gloves. Hand creams are recommended to prevent drying of skin.
- Eye Protection: Wear proper eye protection.
- Other Protective Equipment: Wear loose fitting long sleeve shirt and pants.
- Work/Hygienic Practices: Use bag opening procedures which minimize dust release. Use anti-slip surface on working platforms.
THE MIX IS SLIPPERY WHEN WET!

SECTION IX - PREPARATION INFORMATION

Prepared By: Research Department, U.S.A.
Telephone: (973) 347-1200
Effective Date: December 28, 2009

Supersedes: September 3, 2009

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