

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	e

HMIS RATING

# MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: September 3, 2009  
Supersedes: January 25, 2008

Page 1 of 2

## SECTION I - PRODUCT INFORMATION

- MANUFACTURER'S NAME AND ADDRESS:**  
ISOLATEK INTERNATIONAL/CAFECO INDUSTRIES  
41 Furnace Street  
Stanhope, NJ 07874
- EMERGENCY TELEPHONE NUMBER:**  
973-347-1200
- CHEMICAL NAME AND SYNONYMS**  
Spray-Applied Fire-Resistive Materials (SFRMs)
- CHEMICAL FAMILY:**  
Calcium Silicates, Calcium Aluminates, Alumino Silicates
- FORMULA:**  
Blend of Portland Cement and Vermiculite Aggregate
- TRADE NAMES AND SYNONYMS:**  
FENDOLITE® M-II

## 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 <sup>3</sup> Respirable Fraction: 5mg/m <sup>3</sup>	10mg/m <sup>3</sup> 3mg/m <sup>3</sup>
Mica	12001-26-2	20 mppcf	3 mg/m <sup>3</sup>

## 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 (H <sub>2</sub> O=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, CO <sub>2</sub>        |
| 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, ingestion, and eye contact.

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 contaminants 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: Wash mouth out with water. If a large amount has been swallowed, seek 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 surfaces on working platforms. THE MIX IS SLIPPERY WHEN WET!

## SECTION IX - PREPARATION INFORMATION

Prepared By: Research Department, U.S.A.  
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