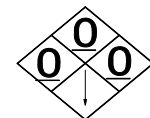


Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	②

HMIS RATING

MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: December 28, 2009

Supersedes: N/A

Page 1 of 2

SECTION I – PRODUCT INFORMATION

- MANUFACTURER'S NAME AND ADDRESS:**
United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874
- EMERGENCY TELEPHONE NUMBER:**
CHEMTREC 703-527-3887
- CHEMICAL NAME AND SYNONYMS**
Spray-Applied Fire Resistive Materials (SFRMs).
- CHEMICAL FAMILY:**
Calcium Based Salts and Silicates
- FORMULA:**
Inorganic Aggregate Binders and Reinforcing Filaments
- TRADE NAMES AND SYNONYMS:**
ISOLATEK™ TYPE PC

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: 5/mg/m ³	10mg/m ³ 3mg/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 (H ₂ O=1): | >1 |
| 6. | Melting Point (°F): | >1800 |
| 7. | Evaporation Rate: | N/Ap |
| 8. | Appearance and Odor: | Gray, odorless. |
| 9. | Physical State: | Solid |

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: | Stable |
| | Conditions to Avoid: | Contact with strong acids |
| 2. | Incompatibility (Materials to Avoid): | Strong acids |
| 3. | Hazardous Decomposition Products: | CO, CO ₂ |
| 4. | Hazardous Polymerization: | Will not occur |
| | Conditions to Avoid: | N/Ap |

N/Ap = Not Applicable

SECTION VI - HEALTH HAZARD DATA

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

Acute: Nuisance particulates may cause transitory skin irritation (itching) and possible irritation of eyes and upper respiratory tract.

Chronic: Inhalation over long periods of high amounts of any dust may overload lung clearance mechanisms and may make the lungs more vulnerable to disease.

Carcinogenicity: NTP - NO IARC - NO OSHA - NO

Medical Conditions Aggravated by Exposure: Any condition, which may be aggravated by mechanical irritants.

Emergency and First Aid Procedures:

Eye Contact: *Flush with water.
Skin Contact: *Wash with water. Launder clothing separate from other garments.
Inhalation: *Remove to fresh air.
Ingestion: Do not induce vomiting. Seek immediate medical attention.

*If irritation persists, seek medical attention.

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

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: Use NIOSH approved dust mask or equivalent for nuisance dust.
- Ventilation: Sufficient to maintain dust levels below TLV.
- Protective Gloves: Wear cloth gloves.
- Eye Protection: Wear proper eye protection.
- Other Protective Equipment: Wear Loose fitting long sleeve shirt and pants.

SECTION IX- PREPARATION INFORMATION

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

Telephone: (973) 347-1200

Effective Date: December 28, 2009

Supersedes: N/A

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