

Health Hazard	①
Fire Hazard	②
Reactivity	③
Personal Protection	④

HMIS RATING

# MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



Effective Date: July 26, 2010  
Supersedes: December 28, 2009

## SECTION I – PRODUCT INFORMATION

1. **MANUFACTURER'S NAME AND ADDRESS:**  
 United States Mineral Products Company  
 dba Isolatek International/CAFCO 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:**  
 Silicates and Calcium Sulfates
5. **FORMULA:**  
 Slag Wool and Inorganic Binders
6. **TRADE NAMES AND SYNONYMS:**  
**CAFCO® BLAZE-SHIELD®, CAFCO BLAZE-SHIELD WHITE, CAFCO BLAZE-SHIELD CHARCOAL, CAFCO BLAZE-SHIELD II, CAFCO BLAZE-SHIELD II WHITE, CAFCO BLAZE-SHIELD II CHARCOAL, CAFCO BLAZE-SHIELD HP, CAFCO BLAZE-SHIELD HP WHITE, CAFCO BLAZE-SHIELD HP CHARCOAL,**

## SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV-TWA
Slag Wool	65997-17-3	NE	1 fiber /cc
Powdered Binders & Fillers	N/Ap	Total Dust: 15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Nuisance Particulates		Respirable fraction: 5mg/m <sup>3</sup>	3mg/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): | >1                           |
| 6. | Melting Point (°F):                    | >1800                        |
| 7. | Evaporation Rate:                      | N/Ap                         |
| 8. | Appearance and Odor:                   | White to charcoal, low odor. |
| 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 <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 and Eye Contact, Ingestion.

Acute: Slag wool and other nuisance particulates may cause transitory skin irritation (itching) and possible irritation of eyes and upper respiratory tract.

Carcinogenicity: NTP - NO OSHA - NO IARC - 3 (Not classifiable as to human carcinogenicity)

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.**

### 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: 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

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