

Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	⑤

HMIS RATING

# MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: September 14, 2007  
Supersedes: October 29, 2004

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## SECTION I – PRODUCT INFORMATION

- MANUFACTURER'S NAME AND ADDRESS:**  
United States Mineral Products Company  
dba Isolatek International/CAFCO 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:**  
Silicates and Calcium Sulfates
- FORMULA:**  
Slag Wool and Inorganic Binders
- 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

- Boiling Point (°F): N/Ap
- Vapor Pressure (mm Hg): N/Ap
- Vapor Density (Air=1): N/Ap
- Solubility in Water: Negligible
- Specific Gravity (H<sub>2</sub>O=1): >1
- Melting Point (°F): >1800
- Evaporation Rate: N/Ap
- Appearance and Odor: White to charcoal, low odor.
- Physical State: Solid

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- Flash Point (Method used): N/Ap
- Flammable Limits: Noncombustible
- Extinguishing Media: N/Ap
- Special Fire Fighting Procedures: N/Ap
- Unusual Fire and Explosion Hazards: None

## SECTION V - REACTIVITY DATA

- Stability: Stable  
Conditions to Avoid: Contact with strong acids
- Incompatibility (Materials to Avoid): Strong Acids
- Hazardous Decomposition Products: CO, CO<sub>2</sub>
- 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.

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.

\*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.

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