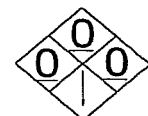


Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	②

HMIS RATING

# MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: December 28, 2009  
Supersedes: September 14, 2007

Page 1 of 2

## 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  
973-347-1200
- EMERGENCY TELEPHONE NUMBER:**  
CHEMTREC 703-527-3887
- 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, 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.**

## 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: September 14, 2007

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.