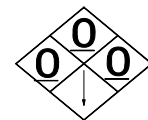


Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	②

HMIS RATING

MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: July 14, 2011
Supersedes: December 28, 2009

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SECTION I – PRODUCT INFORMATION

- MANUFACTURER'S NAME AND ADDRESS:**
United States Mineral Products Company
dba Isolatek International/CAFECO INDUSTRIES
41 Furnace Street
Stanhope, NJ 07874
973-347-1200
- EMERGENCY TELEPHONE NUMBER:**
CHEMTREC 703-527-3887
- CHEMICAL NAME AND SYNONYMS**
Spray Thermal/Acoustical Material.
- CHEMICAL FAMILY:**
Silicates
- FORMULA:**
Slag Wool and Inorganic Binders
- TRADE NAMES AND SYNONYMS:**
CAFECO® HEAT-SHIELD®

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 ³	10mg/m ³
Nuisance Particulates		Respirable fraction: 5/mg/m ³	3mg/m ³

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 (H₂O=1): >1
- Melting Point (°F): >1800
- Evaporation Rate: N/Ap
- Appearance and Odor: White to gray, 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, CO₂
- 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 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: July 14, 2011

Supersedes: December 28, 2009

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