

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: August 5, 2009

Supersedes: N/A

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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**
Rigid Board Fire Protection Material
- CHEMICAL FAMILY:**
Vitreous fiber made from blast furnace slag.
- FORMULA:**
Bonded mineral wool products.
- TRADE NAMES AND SYNONYMS:**
ISOLATEK™ TYPE CB

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	Weight %	CAS NUMBER	OSHA PEL	ACGIH TLV-TWA
Mineral Wool Fiber	95	65997-17-3	N/E	1 fiber/cc
Phenolic Resin	<5	9003-35-4	N/E	N/E
Vinyl Alcohol Polymer	<1	9002-89-5	N/E	N/E

(T) = Total (R)= Respirable (NE)= Not Established

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

- Physical State: Solid
- Solubility in Water: Insoluble
- Melting Point (°F): ~ 2400° F
- Appearance and Odor: Gray or tan fiber, low odor.
- pH: N/Ap

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- Flash Point (Method used): None
- Flammable Limits: Noncombustible
- Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
- Special Fire Fighting Procedures: Self-contained breathing apparatus (SCBA) & full fire fighting turn-out gear. (bunker gear)
- Unusual Fire and Explosion Hazards: Thermal decomposition will yield oxides of carbon & smoke.

SECTION V - REACTIVITY DATA

- Stability: Stable
- Conditions to Avoid: None known
- Incompatibility (Material to Avoid): Acids (gives off H₂S under certain acidic conditions).
- Hazardous Decomposition Products: Oxides of carbon with thermal decomposition.
- Hazardous Polymerization: Will not occur

NE = Not Established
N/Ap = Not Applicable

SECTION VI - HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation, skin and eye contact.

Acute: The components of this product are bound in a phenolic resin. When cut or trimmed, especially with power tools, the resulting dust may cause transitory mechanical irritation to skin, eyes or respiratory tract. Use knives or razors to cut and trim. Avoid using power tools whenever possible.

Eyes: Direct contact with eye can cause mechanical irritation.

Skin: This material (in wet state or as dust) is not chemically harmful if it gets on the skin and is not immediately washed off. However, direct contact of dust and especially mineral wool fibers with skin can cause skin irritation (mechanical) and itchiness.

Ingestion: No known affects.

Inhalation: Inhalation of dust can cause nose, throat, lungs and upper respiratory tract irritation. Persons exposed to dust may be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation.

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:

Eyes: In case of contact, immediately flush thoroughly with copious amounts of water occasionally lifting the lower and upper lids (to remove particulates). Seek medical attention immediately. Contact lenses should not be worn when working with this product.

Skin: Skin contact is not a chemical hazard. Mechanical action of fibers on skin can cause itchiness. Irritation of skin may occur with prolonged and repeated contact. Rinse with cool water, followed by washing with soap and warm water. A commercially available skin cream or lotion may be helpful to treat dry skin areas.

Ingestion: No harmful effects expected. No specific recommendation. If gastric disturbance occurs, call physician.

Inhalation: If exposed to excessive levels of dust, leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary; however if conditions warrant, 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:** In case of spill, pick up or scoop up and place in container. Containment not necessary. Treat as inert material. Normal cleanup procedures. Wear appropriate protective equipment.
- Waste Disposal Method:** Dispose of material in accordance with federal, state, local and provincial environmental regulations. Contact the local or state environmental agency for specific rules.
- Precautions to be Taken in Handling and Storing:** Normal precautions should be followed in handling, storage and use. During handling and use wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.
- Recommended Storage Methods:** Keep dry.

SECTION VIII - CONTROL MEASURES

- Respiratory Protection:** Ensure adequate ventilation in work area. Avoid continued and prolonged inhalation of MMMF dust when working with product. If dusty, wear a NIOSH/MSHA-approved dust respirator.
- Ventilation:** Provide general ventilation and local exhaust ventilation to meet TLV requirements of individual ingredients and to control dusting conditions. If cutting or trimming with power equipment, dust collectors and local ventilation must be used.
- Protective Gloves:** Wear tight fitting gloves if dust is irritating.
- Eye Protection:** Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye. Wear tight fitting goggles if dust is irritating.
- Other Protective Equipment:** Wear loose fitting clothing closed at the neck and wrists and minimize skin contact. Wash work clothing separately from other clothing. Rinse washer thoroughly after use.

SECTION XI - PREPARATION INFORMATION

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

Telephone: (973) 347-1200

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