



MATERIAL SAFETY DATA SHEET

Section 1 – Chemical Product / Company Information

Product Name: CAFCO® 300, CAFCO® 300SB, CAFCO® 300ES, CAFCO® 300ACTM, CAFCO® 300HSTM
Effective Date: August 21, 2012

ISOLATEK® TYPE 300, ISOLATEK® TYPE 300SB, ISOLATEK® TYPE 300ES, ISOLATEK® TYPE 300ACTM, ISOLATEK® TYPE 300HSTM

Product Use/Class: Spray-Applied Fire Resistive Materials (SFRM) **Supersedes:** 7/27/12

Manufacturer: United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874 USA
973-347-1200 **Preparer:** R&D Department

CHEMTREC Transportation Emergency Phone #: 800-424-9300 / 703-527-3887 (Int'l)

Section 2 – Composition / Information On Ingredients

Chemical Name	CAS Number	Wt. % (Max.)
Calcium Sulfate, Hemihydrate	26499-65-0	50 - 75
Vermiculite	1318-00-9	15 - 35
Cellulose	065996-61-4	1 - 10
Calcium Carbonate	1317-65-3	1 - 10
Quartz	014808-60-7	0 - 5

Section 3 – Hazards Identification

Emergency Overview: A granular powder that poses little immediate hazard. However, components may contain trace amounts of crystalline silica (quartz). Prolonged exposure to respirable crystalline silica (quartz) may cause cancer.

Effects of Overexposure – Eye Contact: May cause irritation to the eyes.

Effects of Overexposure – Skin Contact: May cause skin irritation. Prolonged exposure may cause alkali burns.

Effects of Overexposure – Inhalation: May cause irritation to upper respiratory system.

Effects of Overexposure – Ingestion: May cause gastro – intestinal irritation.

Effects of Overexposure – Chronic Hazards: Dust may cause inflammation of the cornea. Dermatitis may occur in sensitive individuals. Inhalation over long periods may overload lung clearance mechanisms; make lungs more vulnerable to disease. Prolonged inhalation of respirable crystalline silica may result in lung disease (silicosis, lung cancer).

Primary Route(s) of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: Sensitive skin; respiratory conditions.

Section 4 – First Aid Measures

First Aid – Skin Contact: Wash with soap and water. If persistent irritation occurs, seek medical attention.

First Aid – Eye Contact: Flush eyes with clean water for at least 15 minutes. Seek medical attention if irritation persists.

First Aid – Inhalation: Breathe fresh air. Seek medical attention if irritation persists.

First Aid – Ingestion: If swallowed do not induce vomiting. Seek immediate medical attention.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable
Lower Explosive Limit: Not Applicable
Upper Explosive Limit: Not Applicable

NFPA Rating

Health: 1
Flammability: 0
Reactivity: 0

Extinguishing Media: Not Applicable. Product will not burn.
Unusual Fire & Explosion Hazards: None
Special Firefighting Procedures: None

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up material and place in disposal containers. Avoid inhalation of dust. Wet material should be treated with an inert absorbent material and placed in disposal containers. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

Section 7 – Handling And Storage

Handling: Avoid inhalation of dust. Avoid skin & eye contact. Wear skin and eye protection during use. Use normal personal hygiene to remove materials, contaminants; wash clothing separately before re-use.

Storage: Keep dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation.

Section 8 – Exposure Controls / Personal Protection

Chemical Name	CAS Number	Exposure Limits (8-hour TWA) (mg/m ³)			
		OSHA PEL	ACGIH TLV	NIOSH	Mexico
Calcium Sulfate, Hemihydrate	26499-65-0	15 (T), 5 (R)	10 (R)	10 (T), 5 (R)	10 (R)
Calcium Carbonate	1317-65-3	15 (T), 5 (R)	n/a	10 (T), 5 (R)	10 (R)
Quartz	14808-60-7	30 (T), 10 (R)	0.025 (R)	0.05 (R)	0.10 (R)
		(T) - Total (R) - Respirable			

Engineering Controls: Fans may be necessary to control nuisance dust levels.

Respiratory Protection: Wear a NIOSH approved disposable dust mask (N-95, or equivalent) to prevent exposure above the limits specified.

Skin Protection: Wear gloves and use hand creams to prevent dry skin.

Eye Protection: Wear proper eye protection; at minimum, safety glasses with side shields.

Work / Hygienic Practices: Use bag opening procedures which minimize dust release. Use anti-slip surfaces on working platforms – material is slippery when wet.

Section 9 – Physical And Chemical Properties

Boiling Point (°F): N/A
Appearance & Odor: Light grey or tan, light green or light red, granular powder; no odor.
Vapor Pressure (mm Hg): N/A
Vapor Density (air=1): N/A
Solubility in Water: Negligible
Specific Gravity (H₂O=1): N/A
Melting Point (°F): >1800°F (981° C)
Evaporation Rate: N/A
Physical State: Solid
% Volatiles: 0
PH: 8 - 11

Section 10 – Stability And Reactivity

Stability: (under normal conditions):	Stable
Conditions to Avoid:	Contact with strong acids
Incompatibility (Materials to Avoid):	Strong Acids
Hazardous Decomposition Products:	CO, CO ₂
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	N/A

Section 11 – Toxicological Information

<u>Ingredient</u>	<u>CAS Number</u>	<u>LD50/LC50</u>					
		No Data Available					
		<u>IARC</u>			<u>NTP</u>		<u>OSHA</u>
<u>Carcinogenicity</u>		Group 1	Group 2A	Group 2B	Known	Suspect	
Calcium Sulfate, Hemihydrate		NO	NO	NO	NO	NO	NO
Vermiculite		NO	NO	NO	NO	NO	NO
Cellulose		NO	NO	NO	NO	NO	NO
Calcium Carbonate		NO	NO	NO	NO	NO	NO
Quartz		YES	NO	NO	YES	NO	YES

Section 12 – Ecological Information

Ecological Information: No Data Available

Section 13 – Disposal Information

Disposal Information: Non hazardous product (U.S. (EPA, 40 CFR 261). Dispose of waste in accordance with applicable regulations.

Section 14 – Transportation Information

Proper Shipping Name: Not Applicable
Technical Name: Not Applicable
Hazard Class: Non-Hazardous
UN/NA Number: Not Applicable
Additional Notes: None

Section 15 – Regulatory Information

U.S. Federal Regulations SARA 311/312					
	Immediate Health (Acute)	Delayed Health (Chronic)	FIRE	PRESSURE	REACTIVE
	No	Yes	No	No	No

U.S. State Regulations	State Hazardous Substance List						
	CAS NUMBER	CA	MA	MN	NJ	PA	RI
	26499-65-0	No	No	No	No	No	No
	1317-65-3	No	No	No	No	No	No
	14808-60-7	Yes	Yes	Yes	Yes	No	Yes

California Proposition 65

Warning: This product contains substances know to the State of California to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS AS FOLLOWS:

Chemical Inventory Status

All chemicals in this product are listed or exempt from listing in the following:

U.S	Canada		Europe		Australia	Korea
TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ECL
Yes	Yes	No	Yes		Yes	Yes

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations and contains all information required.

CANADIAN WHMIS CLASS: D2A

HMIS Ratings

Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: e

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 0

Section 16 – Other Information

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

Telephone: (973) 347-1200

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