



## Section 1 – Chemical Product / Company Information

**Product Name:** CAFCO® 3000, CAFCO® 3000 ES **Effective Date:** October 22, 2015  
**Product Use/Class:** Spray-Applied Fire Resistive Materials (SFRM)  
**Manufacturer:** United States Mineral Products Company **Preparer:** R&D Department  
 dba Isolatek International  
 41 Furnace Street  
 Stanhope, NJ 07874 USA  
 (973)-347-1200  
**In Case of Emergency Call: CHEMTREC** **Supersedes:** September 22, 2014  
 800.424.9300 (USA)      +1 703.527.3887 (Int'l)

## Section 2 – Hazards Identification

| GHS Classification: | Hazard Category | Route of Exposure |
|---------------------|-----------------|-------------------|
| <b>Hazard Class</b> |                 |                   |
| Skin Irritation     | 2               | Skin              |
| Skin Sensitizer     | 1               | Skin              |
| Eye Irritation      | 2B              | Eye               |
| Inhalation Toxicity | 4               | Nose/Mouth        |

### Global Harmonization Labeling and Classification:

**Signal word:** Warning

**Hazard Symbol(s):** GHS07



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

| Hazard Statements: |  |
|--------------------|--|
| <b>H303</b>        | May be harmful if swallowed.                                       |
| <b>H313</b>        | May be harmful in contact with skin.                               |
| <b>H320</b>        | Causes eye irritation.   |
| <b>H335</b>        | May cause respiratory irritation.                                  |
| <b>H373</b>        | May cause damage to organs through prolonged or repeated exposure. |

| <b>Precautionary Statements:</b> |   |
|----------------------------------|---|
| <b>P202</b>                      | Do not handle until safety precautions have been read and understood.                     |
| <b>P261</b>                      | Avoid breathing dust/ fumes/ gas/ mist/ vapours/ spray.                                   |
| <b>P271</b>                      | Use only outdoors or in a well ventilated area.   |
| <b>P280</b>                      | Wear protective gloves/ protective clothing/ eye protection/ face protection.             |
| <b>P284</b>                      | Wear respiratory protection.  |
| <b>P402+P403</b>                 | Store in a dry place. Store in a well ventilated place.                                   |
| <b>EUH401</b>                    | To avoid risks to human health and the environment, comply with the instructions for use. |

| <b>Response:</b>                          |   |
|---|---|
| <b>P301+P330<br/>P331+P312</b>            | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.  |
| <b>P302+P352+<br/>P332+P313+<br/>P363</b> | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.  |
| <b>P304+P340+<br/>P342+P313</b>           | IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/ attention.   |
| <b>P305+P351+<br/>P338+P337+<br/>P313</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. |

| <b>Storage:</b>            |  |
|----------------------------|--|
| <b>P402+P403+<br/>P232</b> | Store in a dry place. Store in a well ventilated place. Protect from moisture. |

| <b>Disposal:</b> |  |
|------------------|--|
| <b>P501</b>      | Dispose of contents/container in accordance with local/regional/national/international regulations (see section 13). |

### Section 3 – Composition / Information On Ingredients

| Chemical Name                | CAS Number  | Wt. % (Max.) |
|------------------------------|-------------|--------------|
| Calcium Sulfate, Hemihydrate | 26499-65-0  | 55 - 80      |
| Vermiculite                  | 1318-00-9   | 15 - 35      |
| Cellulose                    | 065996-61-4 | 1 - 10       |
| Calcium Carbonate            | 1317-65-3   | 1 - 10       |
| Crystalline Silica           | 14808-60-7  | <1           |

### Section 4 – First Aid Measures

**General** – If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

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

**First Aid – Eye Contact:** Flush eyes thoroughly with copious amounts of water. Seek medical attention if irritation persists.

**First Aid – Inhalation:** Remove to fresh air. Seek medical attention if irritation persists.

**First Aid – Ingestion:** Do not induce vomiting. Rinse mouth out with water. Seek medical attention if irritation persists.

**Protection of first aid responders:** Wear proper personal protective clothing and equipment.

## Section 5 – Fire Fighting Measures

**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. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

## Section 7 – Handling And Storage

**Precautions for safe 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.

**Conditions for safe 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

### Permissible Exposure Limits

| Chemical Name               | CAS Number  | OSHA PEL   | ACGIH TLV   | NIOSH   | Mexico                                  |
|-----------------------------|-------------|--|---|---|---|
| Calcium Sulfate Hemihydrate | 26499-65-0  | 15 mg/m <sup>3</sup> TWA (Total Dust)<br>5 mg/m <sup>3</sup> (Respirable Fraction)   | 15 mg/m <sup>3</sup> TWA (Chemical is a particulate matter containing no asbestos and <1% crystalline silica) | 10 mg/m <sup>3</sup> TWA (Total Dust)<br>5 mg/m <sup>3</sup> (Respirable Fraction)          | 10 (Respirable Fraction)                |
| Vermiculite                 | 1318-00-9   | N/E  | 10mg/m <sup>3</sup> (Total Dust)<br>3 mg/m <sup>3</sup> (Respirable Fraction)                                 | 0.05 mg/m <sup>3</sup>  | N/E                                     |
| Cellulose                   | 065996-61-4 | N/E  | N/E   | N/E   | N/E                                     |
| Calcium Carbonate           | 1317-65-3   | 15 mg/m <sup>3</sup> TWA (Total Dust)<br>5 mg/m <sup>3</sup> (Respirable Fraction)   | N/E   | 10 mg/m <sup>3</sup> TWA (Total Dust)<br>5 mg/m <sup>3</sup> (Respirable Fraction)          | 10 (Respirable Fraction)                |
| Crystalline Silica          | 14808-60-7  | 30 mg/m <sup>3</sup> %SiO <sub>2</sub> +2 (Total Dust)<br>250 mppcf %SiO <sub>2</sub> +5 (Respirable)<br>10 mg/m <sup>3</sup> %SiO <sub>2</sub> +2 (Respirable Fraction) | 0.025 mg/m <sup>3</sup> TWA (Respirable Fraction)   | 0.05 mg/m <sup>3</sup> TWA (Total Dust)<br>0.05 mg/m <sup>3</sup> TWA (Respirable Fraction) | 0.010mg/m <sup>3</sup> TWA (Total Dust) |

**Engineering Controls:** Exhaust fans may be necessary when mixing in enclosed areas.

**Respiratory Protection:** Wear a proper disposable dust mask 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

|   |  |
|---|--|
| <b>Appearance:</b>                          | Light grey or tan, light green or light red, granular powder |
| <b>Odor:</b>                                | Low odor   |
| <b>pH:</b>                                  | 8-10   |
| <b>Melting Point (°F):</b>                  | >1800°F (981°C)  |
| <b>Boiling Point (°F):</b>                  | Not Applicable   |
| <b>Flash Point:</b>                         | Not Applicable   |
| <b>Evaporation Rate:</b>                    | Not Applicable   |
| <b>Flammability:</b>                        | Not Applicable   |
| <b>Lower Explosive Limit:</b>               | Not Applicable   |
| <b>Upper Explosive Limit:</b>               | Not Applicable   |
| <b>Vapor Pressure (mm Hg):</b>              | Not Applicable   |
| <b>Bulk Density (kg/mm3)</b>                | Not Applicable   |
| <b>Solubility in Water:</b>                 | Low  |
| <b>Specific Gravity (H<sub>2</sub>O=1):</b> | Not Applicable   |
| <b>Physical State:</b>                      | Solid  |
| <b>% Volatiles:</b>                         | Not Applicable   |
| <b>Viscosity</b>                            | Not Applicable   |
| <b>Auto ignition temperature</b>            | Not Applicable   |

## Section 10 – Stability And Reactivity

|  |  |
|--|--|
| <b>Chemical Stability (under normal conditions):</b> | Stable   |
| <b>Possibility of Hazardous Reactions:</b>           | No   |
| <b>Conditions to Avoid:</b>                          | Contact with strong acids  |
| <b>Incompatibility:</b>                              | Strong Acids   |
| <b>Hazardous Decomposition Products:</b>             | Stable under normal conditions. Trace amounts of carbon and nitrogen oxide compounds may release under fire. |
| <b>Hazardous Polymerization:</b>                     | No polymerization will occur.  |

## Section 11 – Toxicological Information

| Carcinogenicity             | IARC    |          |          | NTP   |         | OSHA | LD50/LC50         |
|-----------------------------|---------|----------|----------|-------|---------|------|-------------------|
|                             | Group 1 | Group 2A | Group 2B | Known | Suspect |      |                   |
| Chemical Name               |         |          |          |       |         |      |                   |
| Calcium Sulfate Hemihydrate | No      | No       | No       | No    | No      | No   | No Data Available |
| Vermiculite                 | No      | No       | No       | No    | No      | No   | No Data Available |
| Cellulose                   | No      | No       | No       | No    | No      | No   | No Data Available |
| Calcium Carbonate           | No      | No       | No       | No    | No      | No   | No Data Available |
| Crystalline Silica          | Yes     | No       | No       | Yes   | No      | Yes  | No Data Available |

## Section 12 – Ecological Information

Ecological Information: No data available.

## Section 13 – Disposal Considerations

**Disposal Information:** For waste disposal purposes, this product is not known to be designated as hazardous by current provisions under RCRA. Dispose of in accordance with federal, state and local regulations.

## Section 14 – Transportation Information

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

## Section 15 – Regulatory Information

|  |                             |                             |      |          |          |
|--|-----------------------------|-----------------------------|------|----------|----------|
| U.S. Federal Regulations<br>SARA 311/312 | Immediate Health<br>(Acute) | Delayed Health<br>(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  |
|                        | 1318-00-9                      | No  | No  | No  | No  | No | No  |
|                        | 065996-61-4                    | No  | No  | No  | No  | No | No  |
|                        | 1317-65-3                      | No  | No  | No  | No  | No | No  |
|                        | 14808-60-7                     | Yes | Yes | Yes | Yes | No | Yes |

International Regulations as Follows:

### Chemical Inventory Status

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

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

### CANADIAN WHMIS

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

CANADIAN WHMIS CLASS: D2A

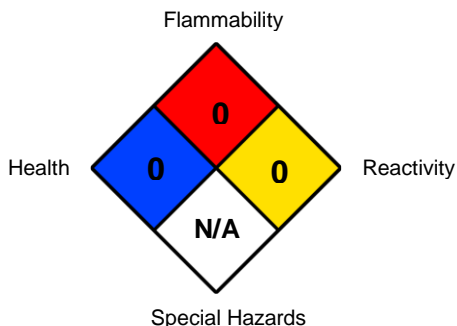
### HMIS Rating

|                            |          |
|----------------------------|----------|
| <b>HEALTH</b>              | <b>1</b> |
| <b>FLAMMABILITY</b>        | <b>0</b> |
| <b>REACTIVITY</b>          | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <b>e</b> |

**Section 16 – Other Information**

N/E – Non Established  
N/A – Not Applicable

**NFPA :**



**Prepared By: Research Department, U.S.A.**  
**Telephone: (973) 347-1200**

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