



**Section 1 – Chemical Product / Company Information**

**Product Name:** CAFCO® SprayFilm® WB 5 **Effective Date:** April 22, 2015

**Product Use/Class:** Fireproofing coating

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

**In Case of Emergency Call: CHEMTREC** **Supersedes:** October 28, 2014

800.424.-9300 (USA) +1 703.527.3887 (Int'l)

**Section 2 – Hazards Identification**

GHS Classification:	Hazard Category	Route of Exposure
Hazard Class		
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 thick liquid that poses little immediate hazard.

**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>P403+235</b>	Store in a well ventilated place. Keep cool.
<b>EUH401</b>	To avoid risks to human health and the environment, comply with the instructions for use.

<b>Response:</b>	
<b>P301+P330 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+ P332+P313+ 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+ 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+ P338+P337+ 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+ P404+P410+ P411</b>	Store in a dry place. Store in a well ventilated place. Store in a closed container. Protect from sunlight. Store at temperatures not exceeding 38°C/ 100°F.

<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

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Wt. %</b>
Ammonium Polyphosphate	68333-79-9	15-35
Pentaerythritol	115-77-5	7-13
Melamine	108-78-1	7-13
Titanium Dioxide	13463-67-7	7-13
Glass wool fiber	65997-17-3	3-7

## 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:** If swallowed do not induce vomiting. Rinse mouth out with water. If Irritation persists seek medical attention.

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

## Section 5 – Fire Fighting Measures

**Extinguishing Media:** NFPA non-combustible liquid: ABC dry chemical, foam or carbon dioxide.

**Unusual Fire & Explosion Hazards:** Product is not considered a fire hazard. Closed container may rupture (due to build up of pressure) when exposed to extreme heat. Irritating or toxic substances may be emitted upon burning, combustion or decomposition (including but not limited to ammonia gas, nitrogen oxide, titanium oxide, and phosphorous oxide gases).

**Special Firefighting Procedures:** Wear positive pressure self-contained NIOSH approved breathing equipment and approved protective equipment if necessary.

## Section 6 – Accidental Release Measures

### **Personal precautions, Protective Equipment, and Emergency Response:**

Use personal protective equipment as recommended in section 8.

### **Methods and materials for containment and cleaning up:**

If spilled, absorb spill with vermiculite or other inert material (such as sand). Collect up and place in an appropriate container

## Section 7 – Handling And Storage

**Precautions for safe handling:** When working with any chemical product, use good workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well ventilated conditions. Avoid skin and eye contact. Avoid inhalation of mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse.

**Conditions for safe storage:** Keep away from heat, sparks, and open flames. Avoid extreme heat or cold. Store above freezing. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container containing residual product which may exhibit hazards of product. Do not reuse empty container.

## Section 8 – Exposure Controls / Personal Protection

### Permissible Exposure Limits

Chemical Name	CAS Number	OSHA PEL	ACGIH TLV	NIOSH	Mexico
Pentaerythritol	115-77-5	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA (total dust)	10 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable dust)	10 mg/m <sup>3</sup> TWA 20 mg/m <sup>3</sup> STEL
Melamine	108-78-1	N/A	N/A	N/A	N/A
Ammonium Polyphosphate	68333-79-9	N/A	N/A	N/A	N/A
Titanium Dioxide	13463-67-7	15 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	5000 mg/m <sup>3</sup> IDLH	10 mg/m <sup>3</sup> TWA (as Ti) 20 mg/m <sup>3</sup> STEL (as Ti)
Glass wool fibers	65997-17-3	5 mg/m <sup>3</sup> TWA (respirable fraction) 15 mg/m <sup>3</sup> TWA (total dust)	1 fiber/cc TWA	5 mg/m <sup>3</sup> TWA (total dust) 3 fibers/cc TWA	N/A

**Engineering Controls:** Provide ventilation to ensure compliance with applicable exposure limits

**Respiratory Protection:** A dust mask should be used in cases where the individual is exposed to airborne mists of the material.

**Skin Protection:** Wear cloth, rubber, or latex gloves. Use typical long sleeve work clothing or a "Tyvek" type suit.

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

**Work / Hygienic Practices:** Use proper personal protective equipment. Eye wash stations are recommended in the work area.

## Section 9 – Physical And Chemical Properties

<b>Appearance:</b>	white liquid
<b>Odor:</b>	Mild, minty
<b>pH:</b>	7-9
<b>Melting Point (°F):</b>	Not Applicable
<b>Boiling Point (°F):</b>	>210-215°F
<b>Flash Point:</b>	>200°F (SCC)
<b>Evaporation Rate:</b>	1 (water=1)
<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>Relative Density (kg/mm<sup>3</sup>):</b>	Not Applicable
<b>Solubility in Water:</b>	Not Applicable
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.1-1.5
<b>Physical State:</b>	white paste
<b>% Volatiles:</b>	25-30%
<b>Viscosity</b>	20-40K CPS
<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>	None
<b>Conditions to Avoid:</b>	Avoid high temperatures or freezing. Avoid incompatible materials.
<b>Incompatibility:</b>	Strong Acids, bases, and oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce smoke, carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), oxides of titanium, oxides of phosphorous, and other products of incomplete combustion.
<b>Hazardous Polymerization:</b>	No hazardous polymerization will occur under normal conditions.

## Section 11 – Toxicological Information

Information on likely routes of exposure:

**General:** Caution must be exercised through the prudent use of personal protective equipment and handling procedures to minimize exposure.

**Eyes:** May cause eye irritation.

**Skin:** Causes skin irritation.

**Inhalation:** High airborne concentrations of mist resulting from spraying may cause irritation of the respiratory tract and mucous membranes.

**Ingestion:** Not likely route of exposure but ingestion may cause irritation.

Carcinogenicity	IARC			NTP		OSHA
	Group 1	Group 2A	Group 2B	Known	Suspect	
Chemical Name						
Pentaerythritol	No	No	No	No	No	No
Melamine	No	No	No	No	No	No
Ammonium Polyphosphate	No	No	No	No	No	No
Titanium dioxide	No	No	Yes	No	No	No
Glass wool fibers	No	No	No	Yes	No	Yes

### Acute toxicity

No toxicity studies have been conducted on this product.

#### Titanium dioxide

LD50 Oral	Rat	>10,000 mg/kg
LC50 Inhalation	Rat	>6.8 mg/L
LD50 Dermal	Rabbit	>10,000 mg/kg

#### Melamine

LD50 Oral	Rat	3161 mg/kg
LD50 Dermal	Rabbit	>1000 mg/kg

#### Ammonium polyphosphate

LD50	Rat	>2000mg/kg
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#### Pentaerythritol

LD50 Oral	Rabbit/rat/mouse	>18500 mg/kg
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**Chronic effects** – For this category no toxicological test data is available for the whole product.

**Carcinogenicity** - For this category no toxicological test data is available for the whole product.

**Mutagenicity** - For this category no toxicological test data is available for the whole product.

**Teratogenicity** - For this category no toxicological test data is available for the whole product.

**Developmental effects** - For this category no toxicological test data is available for the whole product.

**Fertility effects** - For this category no toxicological test data is available for the whole product.

**Target organs** – For this category no toxicological test data is available for the whole product.

Review Section 2 and 11 for any additional assessments

**Section 12 – Ecological Information**

**Ecological Information:** No ecological testing has been conducted on this product.

**Ecotoxicity**

Ammonium polyphosphate		
Fish (Brachydanio rerio) 96 hour LC50		>500 mg/l
Melamine		
Fish (Poecilia reticulata) 96 hour LC50		>3000 mg/L
Invertebrate (Daphnia) 48 hour EC50		>2000 mg/L
Pentaerythritol		
Invertebrate (Daphnia) 24 hour EC50		50000 mg/L
Invertebrate (Daphnia) 48 hour EC50		30477-37043 mg/L

**Persistence and degradability:** N/E

**Bioaccumulative potential:** N/E

**Mobility in soil:** N/E

**Section 13 – Disposal Considerations**

**Disposal Information:** Do not allow the product to enter drains, water courses or the soil. Liquids can not be disposed of in a landfill. Allow liquid material to dry. Dispose of in accordance with federal, state and local regulations.

**Section 14 – Transportation Information**

<b>Proper Shipping Name:</b>	Not regulated – See Bill of Lading for details
<b>Technical Name:</b>	Not regulated
<b>Hazard Class:</b>	Not regulated
<b>UN/NA Number:</b>	Not regulated
<b>Additional Notes:</b>	None

**Section 15 – Regulatory Information**

**US Regulations**

HCS Classification    Irritating material, Sensitizing material

**SARA 313 - Supplier Notification**          None

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

U.S. State Regulations	State Hazardous Substance List						
	CAS Number	CA	MA	NJ	PA	MN	RI
	13463-67-7	No	Yes	Yes	Yes	Yes	Yes
	115-77-5	No	Yes	Yes	Yes	Yes	Yes
	108-78-1	No	Yes	No	No	Yes	No
	65997-17-3	Yes	Yes	No	Yes	Yes	Yes



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

CANADIAN WHMIS CLASS: D2B

**HMIS Ratings**

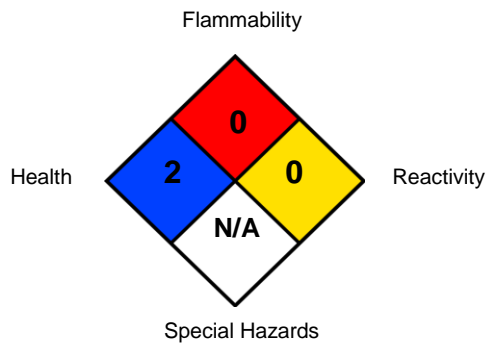
<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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

**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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