

HPD UNIQUE IDENTIFIER: 27348

CLASSIFICATION: 07 81 00 Applied Fire Protection

**PRODUCT DESCRIPTION:** CAFCO® 3000 is an ultra high strength, gypsum based wet mix Spray-Applied Fire Resistive Material (SFRM) designed to meet the current International Building Code (IBC) minimum bond strength of 1,000 psf for buildings over 420 ft. in height. As a commercial density, high bond product, CAFCO 3000 provides superior fire resistive performance per unit thickness and is the most cost efficient solution for the fireproofing of high rise structures. This, combined with its ES (EXTENDED SET) counterpart, makes CAFCO 3000 the most productive and economical SFRM for building heights in excess of 420 ft.

**Section 1: Summary**

**Nested Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold Level**

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

**Residuals/Impurities**

Considered in 1 of 1 Materials

**Explanation(s) provided for Residuals/Impurities?**

- Yes  No

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No

*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No

*All substances disclosed by Name (Specific or Generic) and Identifier.*

**CONTENT IN DESCENDING ORDER OF QUANTITY**

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**

**GREENSCREEN SCORE | HAZARD TYPE**

**CAFCO 3000** [ **PLASTER OF PARIS** NoGS **VERMICULITE** NoGS **BENTONITE** LT-UNK **CELLULOSE, MICROCRYSTALLINE** LT-UNK | **RES SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)** LT-UNK | **CAN LIMESTONE; CALCIUM CARBONATE** BM-3dg **QUARTZ** BM-1 | **CAN** ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Spray Applied Fire Resistive Material (SFRM)

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 8.1 Regulatory (g/l): 50

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

Other: ILFI Declare - Red List Free

**CONSISTENCY WITH OTHER PROGRAMS**

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2022-01-27

PUBLISHED DATE: 2022-01-27

EXPIRY DATE: 2025-01-27

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

**CAFCO 3000**

%: 0.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm    RESIDUALS AND IMPURITIES CONSIDERED: Yes    MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Impurities are displayed ingredients within the HPD

OTHER MATERIAL NOTES: Gypsum Based, Wet Spray, Cementitious, Applied Fireproofing Material

**PLASTER OF PARIS**

ID: 26499-65-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**    HAZARD SCREENING DATE: **2022-01-27 15:37:46**

%: **60.0000 - 80.0000**    GS: **NoGS**    RC: **None**    NANO: **No**    SUBSTANCE ROLE: **Biological material**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES:

**VERMICULITE**

ID: 1318-00-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**    HAZARD SCREENING DATE: **2022-01-27 15:37:46**

%: **15.0000 - 30.0000**    GS: **NoGS**    RC: **None**    NANO: **No**    SUBSTANCE ROLE: **Filler**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES:

**BENTONITE**

ID: 1302-78-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**    HAZARD SCREENING DATE: **2022-01-27 15:37:47**

%: **1.0000 - 10.0000**    GS: **LT-UNK**    RC: **None**    NANO: **No**    SUBSTANCE ROLE: **Viscosity modifier**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS                                       |
|-------------|------------------------|--|
| None found  |                        | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES:

**CELLULOSE, MICROCRYSTALLINE**

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**    HAZARD SCREENING DATE: **2022-01-27 15:37:47**

#: 1.0000 - 10.0000

GS: LT-UNK

RC: PostC

NANO: No

SUBSTANCE ROLE: Filler

| HAZARD TYPE      | AGENCY AND LIST TITLES | WARNINGS                            |
|------------------|------------------------|-------------------------------------|
| RES              | AOEC - Asthmagens      | Asthmagen (Rs) - sensitizer-induced |
| SUBSTANCE NOTES: |                        |                                     |

**SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-27 15:37:48**

#: 0.0000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Textile component

| HAZARD TYPE      | AGENCY AND LIST TITLES  | WARNINGS                           |
|------------------|-------------------------|------------------------------------|
| CAN              | EU - GHS (H-Statements) | H351 - Suspected of causing cancer |
| SUBSTANCE NOTES: |                         |                                    |

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-27 15:37:48**

#: 0.0000 - 1.0000

GS: BM-3dg

RC: None

NANO: No

SUBSTANCE ROLE: Biological material

| HAZARD TYPE      | AGENCY AND LIST TITLES | WARNINGS                                       |
|------------------|------------------------|--|
| None found       |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: |                        |  |

**QUARTZ**

ID: 14808-60-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-27 15:37:49**

#: Impurity/Residual

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Impurity/Residual

| HAZARD TYPE | AGENCY AND LIST TITLES            | WARNINGS  |
|-------------|-----------------------------------|---|
| CAN         | US CDC - Occupational Carcinogens | Occupational Carcinogen   |
| CAN         | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                      |
| CAN         | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)         |
| CAN         | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man                      |
| CAN         | IARC                              | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CAN         | IARC                              | Group 1 - Agent is Carcinogenic to humans                                     |
| CAN         | GHS - New Zealand                 | 6.7A - Known or presumed human carcinogens                                    |
| CAN         | GHS - Japan                       | H350 - May cause cancer [Carcinogenicity - Category 1A]                       |
| CAN         | GHS - Australia                   | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]  |



## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

### VOC EMISSIONS

#### CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Stanhope, NJ Houston, TX San Bernardino, CA  
CERTIFICATE URL:  
ISSUE DATE: 2017-08-01 00:00:00 EXPIRY DATE:  
CERTIFIER OR LAB: UL Environmental  
CERTIFICATION AND COMPLIANCE NOTES: Report# 18652-04

### VOC CONTENT

#### EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Stanhope, New Jersey Houston, Texas San Bernardino, California  
CERTIFICATE URL:  
ISSUE DATE: 2014-08-04 00:00:00 EXPIRY DATE:  
CERTIFIER OR LAB: American Research and Testing Inc.  
CERTIFICATION AND COMPLIANCE NOTES:

### OTHER

#### ILFI Declare - Red List Free

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Stanhope, NJ San Bernardino, CA Houston, TX  
CERTIFICATE URL: <https://living-future.org/declare-products/cafco-3000/>  
ISSUE DATE: 2018-09-01 00:00:00 EXPIRY DATE: 2019-09-01 00:00:00  
CERTIFIER OR LAB: International Living Future Institute  
CERTIFICATION AND COMPLIANCE NOTES: ISK-0007, ISK-0008, ISK-0009

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

## Section 5: General Notes

Impurities are displayed ingredients within the HPD.

Isolatek International provides passive fireproofing materials under the CAFCO® and FENDOLITE® trademarks throughout the Americas and under the ISOLATEK® trademark throughout the remainder of the world.

## MANUFACTURER INFORMATION

MANUFACTURER: **Isolatek International**  
 ADDRESS: **41 Furnace Street**  
**Stanhope NJ 07874, USA**  
 WEBSITE: **www.isolatek.com**

CONTACT NAME: **Philip Mancuso**  
 TITLE: **Senior Technical Services Manager | Standards & Certifications**  
 PHONE: **973-347-1200**  
 EMAIL: **technical@isolatek.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

## KEY

### Hazard Types

|                                       |   |  |
|---------------------------------------|---|--|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |  |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |  |

### GreenScreen (GS)

|   |  |
|---|--|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)   |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>NoGS</b> No GreenScreen.  |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |  |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |  |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      |  |

### Recycled Types

|   |
|---|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

|   |
|---|
| <b>Nested Method / Material Threshold</b> Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b> Substances listed within each material per threshold indicated per product   |
| <b>Basic Method / Product Threshold</b> Substances listed individually per threshold indicated per product            |

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*