

HYGROSMART MICROCEMENT
by ALCHIMICA

HPD UNIQUE IDENTIFIER: 45819424160768
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 09 62 00 Specialty Flooring
PRODUCT TYPE: Floor Finishing Coatings
PRODUCT DESCRIPTION: Single-Component, Fast-Drying, Shrinkage-Compensated Microcement for Decorative Applications

SCREENING DATE: 2026-04-22
PUBLISHED DATE: 2026-06-17
EXPIRY DATE: 2029-04-22
PREPARER: Self-Prepared

Health Product Declaration v3.0
created via: HPDC Online Builder

Section 1: SummaryBasic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format → Basic Method	Residuals/Impurities Evaluation → Completed	For all contents above the threshold, the manufacturer has:
Threshold Disclosed Per → Product	Explanation(s) provided : Yes	Characterized Provided weight and role. Yes
Threshold Level → 1,000 ppm		Screened Provided screening results using HPDC-approved methods. Yes
		Identified Provided name and CAS RN or other identifier. No

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
HYGROSMART MICROCEMENT [UNDISCLOSED LT-UNK | CALCIUM CARBONATE BM-3 | EYE UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | MAM PORTLAND CEMENT LT-P1 | CAN | END | MAM | EYE | SKI UNDISCLOSED LT-UNK | UNDISCLOSED LT-UNK | MAM UNDISCLOSED LT-UNK | AQU UNDISCLOSED LT-UNK | EYE]

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:

all substances inventoried to 1000 ppm
PFAS DETAILS:
This product does not contain intentionally added PFAS, but it is unknown if PFAS is contained in materials or substances from suppliers.
Attestation:

VICKYDELLAPORTA
2026-04-29

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l): No regulations exist for this product category
<1
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

COMPLIANCE See Section 3 for additional listings.
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Residential scenario
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.
Pre-checked for LEED v5 Human Health 1.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

HYGROSMART MICROCEMENT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were evaluated based on supplier SDS, Certificates of Analysis, and literature on manufacturing processes.

OTHER PRODUCT NOTES: Residuals and impurities were evaluated based on supplier SDS, Certificates of Analysis, and literature on manufacturing processes.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-04-29 5:04:35

%: 35.0000 - 38.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Exact percentage and cas number not disclosed in order to protect proprietary nature of formula

CALCIUM CARBONATE

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-04-29 5:18:22

%: 26.0000 - 30.0000

GreenScreen: BM-3

RC: None

NANO: No

SUBSTANCE ROLE: Filler

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

EYE

GHS - New Zealand

Eye irritation category 2

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: exact percentage and cas number not disclosed in order to protect proprietary nature of formula

ID: Undisclosed

SUBSTANCE NOTES: exact percentage and cas number not disclosed in order to protect proprietary nature of the formula

ID: Undisclosed

SUBSTANCE NOTES: Exact percentage and cas not disclosed in order to protect proprietary nature of formula

ID: Undisclosed

%: **0.5000 - 2.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Exact percentage and cas number not disclosed in order to protect proprietary nature of formula

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-04-29 5:12:38	
%: 0.1000 - 0.2000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: exact percentage and cas number not disclosed in order to protect proprietary nature of formula

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-17 2:15:25	
%: 0.1000 - 0.1500	GreenScreen: LT-UNK	RC: UNK	NANO: Unknown	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: CAS number used to identify hazards		

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-17 2:16:57	
%: 0.0500 - 0.1000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 3	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List	
			Antimicrobials	
SUBSTANCE NOTES: CAS number used to identify hazards				

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-06-17 2:00:16	
%: 0.0100 - 0.0150	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Defoamer
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation category 2	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: CAS used to identify hazards				

Section 3: 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 V1.2 (Section 01350/CHPS) - Residential scenario	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: METS (MIDDLE EAST TESTING SERVICES) COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: ALL FACILITIES COMPLIANCE URL: https://alchimica-my.sharepoint.com/:b:/p/vicky_dellaporta/IQAQEsp7Sn0gSrklCwzTuYTAAf_hWpOnlnJAoJjszO232yU?e=lWqXnc COMPLIANCE NOTES:	ISSUE DATE: 2026-04-29	EXPIRY DATE: 2030-05-24
VOC EMISSIONS	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: METS (MIDDLE EAST TESTING SERVICE) COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: ALL FACILITIES COMPLIANCE URL: https://alchimica-my.sharepoint.com/:b:/p/vicky_dellaporta/IQCyJVbwNrZUS6J9FIk41LTkAZy0JqlfxlnjwiTPcxRaBD8?e=pJmpsP COMPLIANCE NOTES:	ISSUE DATE: 2026-04-20	EXPIRY DATE: 2030-03-14
VOC CONTENT	EPA Method 24 - Volatile Matter Content (EPA 24)	
COMPLIANCE TYPE: Third-party certification CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: METS (MIDDLE EASTERN TESTING SERVICES) COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: ALL FACILITIES COMPLIANCE URL: https://alchimica-my.sharepoint.com/:b:/p/vicky_dellaporta/IQCxm qcQmYoVT7qFVoLMaFKFAR63YWdN34wzydeAnbZJ0is?e=aPtWkF COMPLIANCE NOTES:	ISSUE DATE: 2026-04-29	EXPIRY DATE: 2030-06-20

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

HYGROSMART® MICROCEMENT-1K is a high-performance, single-component cementitious coating formulated with advanced hydraulic binders, synthetic resins, ultra-fine fillers, and specialized admixtures. It is designed for the creation of seamless, decorative floors and walls.

RECOMMENDED FOR

- ✓ Decorative floors and walls in retail spaces, residential properties, and commercial environments.

- ✓ Seamless coatings for floors, walls, and ceilings with a troweled finish.
- ✓ High-end surfaces in bars, cafés, and restaurants.
- ✓ Elegant flooring in hotel lobbies, showrooms, and reception areas.
- ✓ Civil engineering and architectural applications requiring a smooth or textured

MANUFACTURER INFORMATION

MANUFACTURER: **ALCHIMICA**
ADDRESS: **69th Km Athens-Lamia National Road • Greece**
Ritsona, Voiotia 34100
COUNTRY: **Greece**

WEBSITE: **www.alchimica.com**
CONTACT NAME: **Dr. Vicky Dellaporta**
TITLE: **DIRECTOR OF RESEARCH AND DEVELOPEMENT**
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EMAIL: **vicky.dellaporta@alchimica.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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

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

Inventory Methods:

Nested Method / Material Threshold	Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold	Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold	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 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.