

CLASSIFICATION: 072726

created via: HPDC Online Builder

PRODUCT DESCRIPTION: ENVIRO-BARRIER™ is a single component, fluid applied, elastomeric membrane to provide an air, water and vapor barrier when applied to above grade wall assemblies. It cures to form a resilient, monolithic, fully adhered elastomeric membrane which resists air leakage and water penetration plus acts as a vapor barrier. This HPD will include the fluid portion of the system only.

Section 1: Summary

Basic 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
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
 - Partially Considered
 - Not Considered
- Explanation(s) provided for Residuals/Impurities?
- Yes
 - No

Are All Substances Above the Threshold Indicated:

- Characterized**
Percent Weight and Role Provided? Yes No
- Screened**
Using Priority Hazard Lists with Results Disclosed? Yes No
- Identified**
Name and Identifier Provided? Yes 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.

Number of Greenscreen BM-4/BM3 contents..... 1
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

ENVIROBARRIER AIR AND VAPOR BARRIER [STYRENE ACRYLIC COPOLYMER NoGS DISPERSANT NoGS SURFACTANT NoGS | DEFOAMER NoGS | CAN TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) LT-UNK BIOCIDE 1 NoGS | BIOCIDE 2 NoGS | 2-AMINO-2-METHYL-1-PROPANOL (2-AMINO-2-METHYL-1-PROPANOL) LT-UNK | EYE | SKI | AQU C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15) BM-3 THICKENER NoGS]

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l):
 Does the product contain exempt VOCs: Yes
 Are ultra-low VOC tints available: N/A

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

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2017-12-22

PUBLISHED DATE: 2017-12-22

EXPIRY DATE: 2020-12-22

Section 2: Content in Descending Order of Quantity

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

ENVIROBARRIER AIR AND VAPOR BARRIER

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: There is very little to no potential for residuals or impurities through the manufacturing of this product.

OTHER PRODUCT NOTES:

STYRENE ACRYLIC COPOLYMER

ID: **Undisclosed**

#: **0.0000 - 66.8000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DISPERSANT

ID: **Undisclosed**

#: **0.0000 - 0.3000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Dispersant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SURFACTANT

ID: **Undisclosed**

#: **0.0000 - 0.2000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Surfactant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

Japan - GHS

Skin corrosion / irritation - Category 2

EYE IRRITATION

Japan - GHS

Serious eye damage / eye irritation - Category 1

SUBSTANCE NOTES:

DEFOAMERID: **Undisclosed**

#: 0.0000 - 0.7000	GS: NoGS	RC: None	NANO: No	ROLE: Defoamer
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CANCER	Japan - GHS	Carcinogenicity - Category 1B
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SUBSTANCE NOTES:

TITANIUM DIOXIDE (TITANIUM DIOXIDE)ID: **13463-67-7**

#: 0.0000 - 0.5000	GS: LT-1	RC: None	NANO: No	ROLE: White Pigment
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)ID: **1317-65-3**

#: 0.0000 - 30.4000	GS: LT-UNK	RC: None	NANO: No	ROLE: White Pigment
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

BIOCID 1ID: **Undisclosed**

#: 0.0000 - 0.3000	GS: NoGS	RC: None	NANO: No	ROLE: Biocide
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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MAMMALIAN	Japan - GHS	Acute toxicity (oral) - Category 5
MAMMALIAN	Japan - GHS	Acute toxicity (dermal) - Category 5
SKIN IRRITATION	Japan - GHS	Skin corrosion / irritation - Category 2
EYE IRRITATION	Japan - GHS	Serious eye damage / eye irritation - Category 1

SKIN SENSITIZE	Japan - GHS	Skin sensitizer - Category 1
ACUTE AQUATIC	US EPA - PPT Chemical Action Plans	Acute Aquatic toxicity - TSCA Criteria met
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Chronic aquatic toxicity - TSCA Criteria met

SUBSTANCE NOTES:

BIOCIDE 2

ID: **Undisclosed**

%: 0.0000 - 0.1000	GS: NoGS	RC: None	NANO: No	ROLE: Biocide
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	Japan - GHS	Acute toxicity (oral) - Category 5		
SKIN IRRITATION	Japan - GHS	Skin corrosion / irritation - Category 1B		
EYE IRRITATION	Japan - GHS	Serious eye damage / eye irritation - Category 1		
SKIN SENSITIZE	Japan - GHS	Skin sensitizer - Category 1		

SUBSTANCE NOTES:

2-AMINO-2-METHYL-1-PROPANOL (2-AMINO-2-METHYL-1-PROPANOL)

ID: **124-68-5**

%: 0.0000 - 0.2000	GS: LT-UNK	RC: None	NANO: No	ROLE: ph additive
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes		
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin		
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation		

SUBSTANCE NOTES:

C.I. PIGMENT BLUE 15 (C.I. PIGMENT BLUE 15)

ID: **147-14-8**

%: 0.0000 - 0.2000	GS: BM-3	RC: None	NANO: No	ROLE: Pigment
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES:

#: 0.0000 - 0.4000	GS: NoGS	RC: None	NANO: No	ROLE: Thickening Agent
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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.

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.

X-SEAL TRANSITION MEMBRANE

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

For all installations

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Hohmann & Barnard**ADDRESS: **30 Rasons Court
Hauppauge NY 11788, USA**WEBSITE: **www.h-b.com**CONTACT NAME: **Jeremy Douglas**TITLE: **Director of Architectural Services**PHONE: **518-810-6484**EMAIL: **jeremyd@h-b.com**

KEY

OSHA MSDS	Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS	Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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 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.