

HPD UNIQUE IDENTIFIER: 28939

CLASSIFICATION: 07 27 26 Fluid-Applied Membrane Air Barriers

PRODUCT DESCRIPTION: Air-Bloc® 33MR is a UV & fire-resistant, fluid applied, elastomeric membrane designed to provide a permeable air & water barrier when applied to above-grade wall assemblies. It is single-component, water-based and cures to a tough monolithic rubber-like membrane, which resists air leakage, water penetration and long term weathering. Air-Bloc® 33MR combines the proven performance of Air-Bloc® 33MR with the addition of Henry antimicrobial technology to create an integral mold resistant membrane.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

| | | | |
|---|---|---|--|
| Inventory Reporting Format <input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method Threshold Disclosed Per <input type="radio"/> Material <input checked="" type="radio"/> Product | Threshold Level <input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other | Residuals/Impurities <input checked="" type="radio"/> Considered <input type="radio"/> Partially Considered <input type="radio"/> Not Considered Explanation(s) provided for Residuals/Impurities? <input checked="" type="radio"/> Yes <input type="radio"/> No | <i>All Substances Above the Threshold Indicated Are:</i> Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances.</i> Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances screened using Priority Hazard Lists with results disclosed.</i> Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances disclosed by Name (Specific or Generic) and Identifier.</i> |
|---|---|---|--|

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
AIR-BLOC 33MR [ALUMINA TRIHYDRATE BM-2 | RES WATER BM-4
STYRENE BUTADIENE RUBBER (SBR) LT-UNK LIMESTONE;
CALCIUM CARBONATE BM-3dg BENTONITE LT-UNK BUTYL
BENZYL PHTHALATE (BBP) LT-1 | END | MUL | REP | DEV | CAN | AQU
2-(2-BUTOXYETHOXY)ETHANOL LT-P1 | END | EYE ETHYLENE
GLYCOL LT-1 | END | DEV 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:
None

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 50 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: Self-declared
 VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

| | | |
|---|---|---|
| Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No | PREPARER: Self-Prepared VERIFIER: VERIFICATION #: | SCREENING DATE: 2022-06-24 PUBLISHED DATE: 2022-06-24 EXPIRY DATE: 2025-06-24 |
|---|---|---|

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

AIR-BLOC 33MR

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities considered

OTHER PRODUCT NOTES: None

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-24 13:50:50

#: 25.0000 - 35.0000 GS: BM-2 RC: None NANO: No SUBSTANCE ROLE: Flame retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Not available in respirable form

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-24 13:50:51

#: 20.0000 - 30.0000 GS: BM-4 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-24 13:50:51

#: 15.0000 - 25.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Film former

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-06-24 13:50:52

GS: 3.0000 - 5.0000

GS: BM-3dg

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: Not available in respirable form.

BENTONITE

ID: 1302-78-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-06-24 13:50:52

GS: 1.0000 - 5.0000

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: Not available in respirable form.

BUTYL BENZYL PHTHALATE (BBP)

ID: 85-68-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-06-24 13:50:53

GS: 1.0000 - 5.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|--|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| END | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Substance of Possible Concern |
| MUL | US EPA - PPT Chemical Action Plans | EPA Chemical of Concern - Action Plan published |
| MUL | US EPA - PPT Chemical Action Plans | TSCA Work Plan chemical - Action Plan in development |
| REP | US EPA - PPT Chemical Action Plans | Reproductive effects |
| REP | EU - Annex VI CMRs | Reproductive Toxicity - Category 1B |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| DEV | CA EPA - Prop 65 | Developmental toxicity |
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity |
| REP | EU - REACH Annex XVII CMRs | Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans |
| REP | EU - SVHC Authorisation List | Toxic to reproduction - Banned unless Authorised |
| REP | US NIH - Reproductive & Developmental Monographs | Some Evidence of Adverse Effects - Reproductive Toxicity |
| CAN | US EPA - IRIS Carcinogens | (1986) Group C - Possible human Carcinogen |
| END | EU - Priority Endocrine Disruptors | Category 1 - In vivo evidence of Endocrine Disruption Activity |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |
| REP | GHS - Korea | H360 - May damage fertility or the unborn child [Category 1(1B)] |
| DEV | GHS - Australia | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B] |
| AQU | EU - GHS (H-Statements) Annex 6 Table 3-1 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| AQU | EU - GHS (H-Statements) Annex 6 Table 3-1 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B] |

SUBSTANCE NOTES: None

2-(2-BUTOXYETHOXY)ETHANOL

ID: 112-34-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-06-24 13:50:53**

#: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Coalescent

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-----------------------|---|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| EYE | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| SUBSTANCE NOTES: None | | |

ETHYLENE GLYCOL

ID: 107-21-1

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2022-06-24 13:50:54 | | |
|--|--|--|----------|----------------------------|
| %: 1.0000 - 5.0000 | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Coalescent |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | | |
| DEV | CA EPA - Prop 65 | Developmental toxicity | | |
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity | | |
| SUBSTANCE NOTES: None | | | | |

QUARTZ

ID: 14808-60-7

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2022-06-24 13:50:54 | | |
|--|-----------------------------------|---|----------|-----------------------------------|
| %: 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 - Japan | H350 - May cause cancer [Carcinogenicity - Category 1A] | | |
| CAN | GHS - Australia | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B] | | |
| CAN | GHS - New Zealand | Carcinogenicity category 1 | | |
| SUBSTANCE NOTES: Not present in a respirable form. | | | | |

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 | Self-declared | | |
|---|----------------------|--------------|-------------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2020-04- | EXPIRY DATE: | CERTIFIER OR LAB: Henry |
| APPLICABLE FACILITIES: All Henry facilities | 09 | | Company |
| CERTIFICATE URL: | | | |
| CERTIFICATION AND COMPLIANCE NOTES: Exterior use only product | | | |

| VOC CONTENT | EPA Method 24 - Volatile Matter Content (EPA 24) | | |
|---|--|--------------|-------------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2020-04- | EXPIRY DATE: | CERTIFIER OR LAB: Henry |
| APPLICABLE FACILITIES: All Henry facilities | 09 | | Company |
| CERTIFICATE URL: | | | |
| CERTIFICATION AND COMPLIANCE NOTES: Exterior use only product | | | |

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

No additional general notes for this product.

MANUFACTURER INFORMATION

MANUFACTURER: Henry Company
ADDRESS: 999 N. Pacific Coast Hwy
 Suite 800
 El Segundo CA 90245, USA
WEBSITE: www.henry.com

CONTACT NAME: Whitney Randall
TITLE: Director, Regulator Compliance Systems
PHONE: 484-557-1247
EMAIL: wrandall@henry.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-1 List Translator 1 (Likely Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-UNK 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.) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | |
| BM-U Benchmark Unspecified (due to insufficient data) | |
| LT-P1 List Translator Possible 1 (Possible Benchmark-1) | NoGS No GreenScreen. |

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 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.