

HPD UNIQUE IDENTIFIER: 1026689024

CLASSIFICATION: 07 27 36 Sprayed Foam Air Barrier

PRODUCT DESCRIPTION: PERMAX 2.0 HFO is a 2-component polyurethane spray foam system consisting of Components (Parts) A and B, which when sprayed through special plural component spray equipment, will produce a premium seamless, monolithic, and durable closed-cell polyurethane foam air barrier / insulation / vapor retarder suitable for residential and commercial wall applications.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

|                                               |                                          |                                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Inventory Reporting Format</b>             | <b>Threshold Level</b>                   | <b>Residuals/Impurities Evaluation</b>                        | <i>For all contents above the threshold, the manufacturer has:</i>                 |
| <input type="radio"/> Nested Materials Method | <input checked="" type="radio"/> 100 ppm | <input checked="" type="radio"/> Completed                    | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input checked="" type="radio"/> Basic Method | <input type="radio"/> 1,000 ppm          | <input type="radio"/> Partially Completed                     | <i>Provided weight and role.</i>                                                   |
| <b>Threshold Disclosed Per</b>                | <input type="radio"/> Per GHS SDS        | <input type="radio"/> Not Completed                           | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                | <input type="radio"/> Other              | <b>Explanation(s) provided :</b>                              | <i>Provided screening results using HPDC-approved methods.</i>                     |
| <input checked="" type="radio"/> Product      |                                          | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No    |
|                                               |                                          |                                                               | <i>Provided name and CAS RN or other 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.

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

**PERMAX 2.0 HFO - B COMPONENT [ 1,3-BENZENEDIAMINE, AR-METHYL-, POLYMER WITH OXIRANE LT-UNK TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) BM-U | END | MUL | AQU | MAM | REP 1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL LT-1 | PBT CHLOROTRIFLUOROPROPENE NoGS (DIMETHYLAMINO)CYCLOHEXANE LT-P1 | MUL | MAM | EYE | SKI | AQU 1,2-ETHANEDIAMINE, POLYMER WITH 2-METHYLOXIRANE AND OXIRANE LT-UNK POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHS'-(OXYDI-2,1-ETHANEDIYL)BIS(OMEGA-HYDROXY- LT-UNK WATER BM-4 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL LT-UNK | SKI | EYE DIETHYLTOLUENEDIAMINE LT-P1 | MUL | EYE | AQU | MAM ETHYLENE GLYCOL LT-1 | END | DEV | MAM | EYE | SKI ]**

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1, LT-P1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

None

**PFAS DETAILS:**

This product does **not** contain intentionally added PFAS and materials and substances from suppliers are verified to **not** contain PFAS.

**Attestation:**

Whitney Randall

2025-06-18

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

VOC emissions: Self-declared

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2025-06-18 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2025-06-18 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2028-06-18    |

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)

PERMAX 2.0 HFO - B COMPONENT

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: No residual and impurity notes

OTHER PRODUCT NOTES: None

1,3-BENZENEDIAMINE, AR-METHYL-, POLYMER WITH OXIRANE

ID: 63641-64-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-18 7:06:40

%: 30.0000 - 50.0000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Monomer

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: Reacts upon application

TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP)

ID: 13674-84-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-18 7:06:40

%: 10.0000 - 15.0000

GreenScreen: BM-U

RC: None

NANO: No

SUBSTANCE ROLE: Flame retardant

| HAZARD TYPE           | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                                      |
|-----------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                   | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                                                 |
| MUL                   | German FEA - Substances Hazardous to Waters             | Class 3 - Severe Hazard to Waters                                                                                                                                             |
| AQU                   | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 3                                                                                                                     |
| MAM                   | GHS - Japan                                             | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]                                                           |
| REP                   | GHS - Japan                                             | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                                               |
| REP                   | GHS - Australia                                         | H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child [Reproductive toxicity - Category 2]                                                         |
| ADDITIONAL LISTINGS   | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                                                  |
| RESTRICTED LIST       | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                    |
| RESTRICTED LIST       | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Some Solvents                                                                                                                    |
| RESTRICTED LIST       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                        |
| RESTRICTED LIST       | International Living Future Institute (ILFI)            | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST       | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern    |
| SUBSTANCE NOTES: None |                                                         |                                                                                                                                                                               |

|                                                                                                             |                   |                                           |          |                                 |
|-------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|----------|---------------------------------|
| 1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL |                   |                                           |          | ID: 77098-07-8                  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                   |                   | HAZARD SCREENING DATE: 2025-06-18 7:06:41 |          |                                 |
| %: 5.0000 - 15.0000                                                                                         | GreenScreen: LT-1 | RC: None                                  | NANO: No | SUBSTANCE ROLE: Flame retardant |

| HAZARD TYPE           | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PBT                   | OSPAR - Priority PBTs & EDs & equivalent concern         | PBT - Chemical for Priority Action                                                                                                                                            |
| ADDITIONAL LISTINGS   | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                                                  |
| RESTRICTED LIST       | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                    |
| RESTRICTED LIST       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                        |
| RESTRICTED LIST       | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| RESTRICTED LIST       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024<br><br>Avoidance of Organohalogens and Functionally Related Chemical Classes of Concern    |
| SUBSTANCE NOTES: None |                                                          |                                                                                                                                                                               |

CHLOROTRIFLUOROPROPENE

ID: 102687-65-0

|                                                                  |                                                          |                 |                                                                                               |                                      |
|------------------------------------------------------------------|----------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                          |                 | HAZARD SCREENING DATE: <b>2025-06-18 7:06:41</b>                                              |                                      |
| %: <b>5.0000 - 15.0000</b>                                       | GreenScreen: <b>NoGS</b>                                 | RC: <b>None</b> | NANO: <b>No</b>                                                                               | SUBSTANCE ROLE: <b>Blowing agent</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                                     |                 | WARNINGS                                                                                      |                                      |
| None found                                                       |                                                          |                 | No warnings found on HPD Priority Hazard Lists                                                |                                      |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                                     |                 | NOTIFICATION                                                                                  |                                      |
| RESTRICTED LIST                                                  | Perkins+Will (P+W)                                       |                 | P&W - Precautionary List                                                                      |                                      |
|                                                                  |                                                          |                 | Precautionary list of substances recommended for avoidance                                    |                                      |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) |                 | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                      |
|                                                                  |                                                          |                 | Core Restrictions                                                                             |                                      |
| SUBSTANCE NOTES: HFO based, 0 GWP                                |                                                          |                 |                                                                                               |                                      |

(DIMETHYLAMINO)CYCLOHEXANE

ID: 98-94-2

|                       |                                             |                                                                                                                      |          |                          |
|-----------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|--------------------------|
| %: 0.1000 - 10.0000   | GreenScreen: LT-P1                          | RC: None                                                                                                             | NANO: No | SUBSTANCE ROLE: Catalyst |
| HAZARD TYPE           | LIST NAME AND SOURCE                        | WARNINGS                                                                                                             |          |                          |
| MUL                   | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                           |          |                          |
| MAM                   | GHS - Japan                                 | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]              |          |                          |
| MAM                   | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]     |          |                          |
| EYE                   | GHS - New Zealand                           | Serious eye damage 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]                            |          |                          |
| SKI                   | GHS - New Zealand                           | Skin corrosion category 1B                                                                                           |          |                          |
| AQU                   | GHS - Japan                                 | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]                             |          |                          |
| AQU                   | GHS - Japan                                 | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2] |          |                          |
| MAM                   | GHS - Japan                                 | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                             |          |                          |
| MAM                   | GHS - Japan                                 | H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]                                                       |          |                          |
| MAM                   | GHS - Japan                                 | H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]                                            |          |                          |
| ADDITIONAL LISTINGS   | LIST NAME AND SOURCE                        | NOTIFICATION                                                                                                         |          |                          |
| None found            |                                             | No listings found on Additional Hazard Lists                                                                         |          |                          |
| SUBSTANCE NOTES: None |                                             |                                                                                                                      |          |                          |

1,2-ETHANEDIAMINE, POLYMER WITH 2-METHYLOXIRANE AND OXIRANE

ID: **26316-40-5**

|                                                                  |                                                  |                                                |                 |                                |
|------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2025-06-18 7:06:40</b> |                                                |                 |                                |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b>                       | RC: <b>None</b>                                | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Monomer</b> |
| 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: Reacts upon application

POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHS'-(OXYDI-2,1-ETHANEDIYL)BIS(OMEGA-HYDROXY-

ID: 9051-51-8

|                                                                  |                            |                                                |                                                  |                                |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-06-18 7:06:40</b> |                                |
| %: <b>5.0000 - 10.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Monomer</b> |
| 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: None                                            |                            |                                                |                                                  |                                |

WATER

ID: 7732-18-5

|                                                                  |                                              |                 |                                                              |                                      |
|------------------------------------------------------------------|----------------------------------------------|-----------------|--------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                              |                 | HAZARD SCREENING DATE: <b>2025-06-18 7:06:41</b>             |                                      |
| %: <b>1.0000 - 5.0000</b>                                        | GreenScreen: <b>BM-4</b>                     | RC: <b>None</b> | NANO: <b>No</b>                                              | SUBSTANCE ROLE: <b>Blowing agent</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                         |                 | WARNINGS                                                     |                                      |
| None found                                                       |                                              |                 | No warnings found on HPD Priority Hazard Lists               |                                      |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE                         |                 | NOTIFICATION                                                 |                                      |
| EXEMPT                                                           | European Union / European Commission (EU EC) |                 | EU - REACH Exemptions                                        |                                      |
|                                                                  |                                              |                 | Exempted from REACH Annex IV listing due to intrinsic safety |                                      |
| SUBSTANCE NOTES: None                                            |                                              |                 |                                                              |                                      |

2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL

ID: 90-72-2

|                                                           |                     |          |                                           |                          |
|-----------------------------------------------------------|---------------------|----------|-------------------------------------------|--------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                     |          | HAZARD SCREENING DATE: 2025-06-18 7:06:41 |                          |
| %: 0.0000 - 5.0000                                        | GreenScreen: LT-UNK | RC: None | NANO: No                                  | SUBSTANCE ROLE: Catalyst |

| HAZARD TYPE           | LIST NAME AND SOURCE                      | WARNINGS                                                                                  |
|-----------------------|-------------------------------------------|-------------------------------------------------------------------------------------------|
| SKI                   | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                    |
| EYE                   | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]    |
| SKI                   | GHS - Australia                           | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                    |
| EYE                   | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]    |
| SKI                   | GHS - New Zealand                         | Skin corrosion category 1C                                                                |
| EYE                   | GHS - New Zealand                         | Serious eye damage 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: None |                                           |                                                                                           |

|                                                           |                    |                                           |
|-----------------------------------------------------------|--------------------|-------------------------------------------|
| DIETHYLTOLUENEDIAMINE                                     |                    | ID: 68479-98-1                            |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2025-06-18 7:06:42 |
| %, 0.0000 - 5.0000                                        | GreenScreen: LT-P1 | RC: None                                  |
|                                                           | NANO: No           | SUBSTANCE ROLE: Catalyst                  |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|-------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |
| EYE         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| 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] |
| EYE         | GHS - New Zealand                           | Eye irritation category 2                                                                                                 |
| EYE         | GHS - Australia                             | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| MAM         | GHS - New Zealand                           | Specific target organ toxicity - repeated exposure category 1                                                             |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU         | GHS - Australia                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                 |
| MAM         | GHS - New Zealand                           | Acute dermal toxicity category 3                                                                                          |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: None

ETHYLENE GLYCOL

ID: 107-21-1

|                                                                  |                          |                 |                                                  |                                          |
|------------------------------------------------------------------|--------------------------|-----------------|--------------------------------------------------|------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-06-18 7:06:43</b> |                                          |
| %: <b>0.0000 - 0.1000</b>                                        | GreenScreen: <b>LT-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Impurity/Residual</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                             | WARNINGS                                                                                                         |
|---------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| END                 | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor                                                                                    |
| DEV                 | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity                                                       |
| DEV                 | CA EPA - Prop 65                                 | Developmental - specific to chemical form or exposure route                                                      |
| MAM                 | GHS - Japan                                      | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]          |
| EYE                 | GHS - New Zealand                                | Eye irritation category 2                                                                                        |
| MAM                 | GHS - New Zealand                                | Specific target organ toxicity - repeated exposure category 1                                                    |
| MAM                 | GHS - Japan                                      | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |
| SKI                 | GHS - Japan                                      | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                         |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                             | NOTIFICATION                                                                                                     |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)            | GSPI - Six Classes Precautionary List                                                                            |
|                     |                                                  | Some Solvents                                                                                                    |

SUBSTANCE NOTES: Reacts upon application

### 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: 2020-03-30 00:00:00 | CERTIFIER OR LAB: Henry |
| APPLICABLE FACILITIES: All Henry facilities | EXPIRY DATE:                    | Company                 |
| CERTIFICATE URL:                            |                                 |                         |
| CERTIFICATION AND COMPLIANCE NOTES: None    |                                 |                         |

### 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.*

|                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|
| <b>PERMAX A COMPONENT</b>                                                                                                      |
| MANUFACTURER (OR GENERIC): <b>Henry Company</b>                                                                                |
| HPD URL: <a href="https://builder.hpd-collaborative.org/products/1378">https://builder.hpd-collaborative.org/products/1378</a> |
| ACCESSORY TYPE: Other                                                                                                          |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used to form cured foam.                                            |

### Section 5: General Notes

No general notes for this product.

MANUFACTURER INFORMATION

MANUFACTURER: **Henry Company**  
ADDRESS: **336 Cold Stream Rd**  
**Kimberton, PA 19460**  
COUNTRY: **USA**

WEBSITE: **www.henry.com**  
CONTACT NAME: **Whitney Randall**  
TITLE: **Director, Regulatory 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

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <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-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

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          |

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Nano</b>                  | Composed of nano scale particles or nanotechnology         |
| <b>Third Party Verified</b>  | Verification by independent certifier approved by HPDC     |
| <b>Preparer</b>              | Third party preparer, if not self-prepared by manufacturer |
| <b>Applicable facilities</b> | 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*

