Section 1: Summary

CONTENT INVENTORY

Threshold per material
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals and impurities considered in 1 of 1 materials

Characterized

Are the Percent Weight and Role provided for all substances? Yes No

Screened

Are all substances screened using Priority Hazard Lists with results disclosed? Yes No

Identified

Are all substances disclosed by Name (Specific or Generic) and Identifier? 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.

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

PERMAX 2.0 - B COMPONENT | 1,3-BENZENEDIAMINE, AR-METHYL-, POLYMER WITH OXIRANE LT-UNK (DIMETHYLAMINO)CYCLOHEXANE LT-UNK TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) BM-U | END | PBT | MUL 1,1,1,3,3-PENTAFLUOROPROPANE LT-UNK 1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL LT-1 | PBT | END | MUL 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- 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL LT-UNK | MAM | EYE | SKI DIETHYLTOLEUENEDIAMINE LT P1 | MAM | EYE | AQU | MUL ETHYLENE GLYCOL BM-1 | MAM | DEV | END

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

Self-Published* VERIFIER: SCREENING DATE: January 17, 2017 EXPIRY DATE*: January 17, 2020

Third Party Verified VERIFICATION #: RELEASE DATE: January 17, 2017 * or within 3 months of significant change in product contents

*See HPDC website for details
Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

<table>
<thead>
<tr>
<th>Material Notes:</th>
<th>ID: 63641-64-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-BENZENEDIAMINE, AR-METHYL-, POLYMER WITH OXIRANE</td>
<td></td>
</tr>
<tr>
<td>%: 20.0000 - 40.0000</td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td></td>
</tr>
<tr>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td>NANO: NO</td>
<td></td>
</tr>
<tr>
<td>ROLE: Urethane component</td>
<td></td>
</tr>
</tbody>
</table>

| HAZARDS:                                                                       | AGENCY(IES) WITH WARNINGS: |
|                                                                               | None Found                |
|                                                                               | No warnings found on HPD Priority lists |

| SUBSTANCE NOTES:                                                              |
|                                                                               |

<table>
<thead>
<tr>
<th>Material Notes:</th>
<th>ID: 98-94-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>(DIMETHYLAMINO)CYCLOHEXANE</td>
<td></td>
</tr>
<tr>
<td>%: 10.0000 - 15.0000</td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td></td>
</tr>
<tr>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td>NANO: NO</td>
<td></td>
</tr>
<tr>
<td>ROLE: Catalyst</td>
<td></td>
</tr>
</tbody>
</table>

| HAZARDS:                                                                       | AGENCY(IES) WITH WARNINGS: |
|                                                                               | None Found                |
|                                                                               | No warnings found on HPD Priority lists |

| SUBSTANCE NOTES:                                                              |
|                                                                               |

<table>
<thead>
<tr>
<th>Material Notes:</th>
<th>ID: 13674-84-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCP, TMCP)</td>
<td></td>
</tr>
<tr>
<td>%: 10.0000 - 15.0000</td>
<td></td>
</tr>
<tr>
<td>GS: BM-U</td>
<td></td>
</tr>
<tr>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td>NANO: NO</td>
<td></td>
</tr>
<tr>
<td>ROLE: Flame retardant</td>
<td></td>
</tr>
</tbody>
</table>

| HAZARDS:                                                                       | AGENCY(IES) WITH WARNINGS: |
|                                                                               | ENDOCRINE                 |
|                                                                               | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
|                                                                               | PBT                        | EHP - San Antonio Statement on BFRs & CFRs | Flame retardant substance class of concern for PB&T & long range transport |
|                                                                               | RESTRICTED LIST            | US EPA - PPT Chemical Action Plans | TSCA Work Plan chemical - ongoing chemical (risk) assessment |

| SUBSTANCE NOTES:                                                              |
1,1,1,3,3-PENTAFLUOROPROPANE

ID: 460-73-1
%
10.0000 - 15.0000
GS: LT-UNK
RC: None
NANO: NO
ROLE: Blowing agent

HAZARDS:

GLOBAL WARMING
US EPA - Global Warming Potentials
Global Warming Potential greater than 1,000

SUBSTANCE NOTES:

1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL

ID: 77098-07-8
%
5.0000 - 15.0000
GS: LT-1
RC: None
NANO: NO
ROLE: Flame retardant

HAZARDS:

PBT
OSPAR - Priority PBTs & EDs & equivalent concern
PBT - Chemical for Priority Action

ENDOCRINE
OSPAR - Priority PBTs & EDs & equivalent concern
Endocrine Disruptor - Chemical for Priority Action

PBT
EHP - San Antonio Statement on BFRs & CFRs
Flame retardant substance class of concern for PB&T & long range transport

RESTRICTED LIST
US EPA - PPT Chemical Action Plans
TSCA Work Plan chemical - ongoing chemical (risk) assessment

SUBSTANCE NOTES:

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

ID: 26316-40-5
%
5.0000 - 10.0000
GS: LT-UNK
RC: None
NANO: NO
ROLE: Urethane component

HAZARDS:

None Found

SUBSTANCE NOTES:

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

ID: 9051-51-8
%
5.0000 - 10.0000
GS: LT-UNK
RC: None
NANO: NO
ROLE: Urethane component

HAZARDS:

None Found

SUBSTANCE NOTES:
### Substance Notes:

**Water**

- **ID:** 7732-18-5
- **%:** 1.0000 - 5.0000
- **GS:** BM-4
- **RC:** None
- **NANO:** NO
- **ROLE:** Foaming aid

**Hazards:**

None Found

No warnings found on HPD Priority lists

### Substance Notes:

**2,4,6-Tridiethylaminomethylphenol**

- **ID:** 90-72-2
- **%:** 1.0000 - 5.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** NO
- **ROLE:** Catalyst

**Hazards:**

**Agency(ies) with warnings:**

- **Mammalian**
  - **EU - R-phrases**
    - R22 - Harmful if Swallowed
  - **EU - GHS (H-Statements)**
    - H315 - Causes skin irritation
    - H319 - Causes serious eye irritation

**Substance Notes:**

### Substance Notes:

**Diethyltoluenediamine**

- **ID:** 68479-98-1
- **%:** 1.0000 - 5.0000
- **GS:** LT-P1
- **RC:** None
- **NANO:** NO
- **ROLE:** Catalyst

**Hazards:**

**Agency(ies) with warnings:**

- **Mammalian**
  - **EU - R-phrases**
    - R21 - Harmful in Contact with Skin
    - R22 - Harmful if Swallowed
  - **EU - GHS (H-Statements)**
    - R48: Danger of serious damage to health by prolonged exposure.
- **Acute Aquatic**
  - **EU - R-phrases**
    - R50 - Very Toxic to Aquatic Organisms
  - **EU - GHS (H-Statements)**
    - H400 - Very toxic to aquatic life
- **Chron Aquatic**
  - **EU - GHS (H-Statements)**
    - H410 - Very toxic to aquatic life with long lasting effects
**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.

**PERMAX - A COMPONENT**

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Required to produce cured foam.

**Section 5: General Notes**
MANUFACTURER INFORMATION

MANUFACTURER: Henry Company

ADDRESS: 999 N. Sepulveda Blvd
Suite 800
El Segundo, CA 90245
USA

WEBSITE: www.henry.com

CONTACT NAME: Whitney Randall

TITLE: Director, Regulatory Compliance Systems

PHONE: 484-557-1247

EMAIL: wrandall@henry.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
CANC Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

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

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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer’s self-declaration (First Party)
Independent Lab Manufacturer’s self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a “Health Product Declaration,” or “HPD.” 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 Open Standard noted.