# PERMAX 0.5 - B Component by Henry Company

CLASSIFICATION: 07 27 36.00

PRODUCT DESCRIPTION: PART B OF A TWO COMPONENT, POLYURETHANE, SPRAY FOAM SYSTEM.

**Health Product Declaration v2.0**

created via: HPDC Online Builder

## 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
- (●) see Section 2: Material Notes
- (●) see Section 5: General Notes

Based on the selected Content Inventory Threshold:

| | | |
|---|---|---|
| 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 0.5 - B COMPONENT [ POLYETHER POLYOL LT-UNK TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) BM-U | END | PBT | MUL POLYETHYLENE GLYCOL NONYLPHENYL ETHER LT-1 | END | PBT | MUL | REP | AQU | DEV N,N,N'-TRIMETHYLAMINOETHYL ETHANOLAMINE UNK BIS(2-(DIMETHYLAMINO)ETHYL) ETHER LT-P1 | MUL *ETHYLENE GLYCOL* BM-1 | MAM | DEV | END ]

Number of Greenscreen BM-4/BM3 contents..... 0

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.

**PERMAX 0.5 - B COMPONENT** **%: 100.0000 - 100.0000** **HPD URL:**
Inventory Threshold: 100 ppm Residuals Considered: Yes
Material Notes:

POLYETHER POLYOL ID: 9082-00-2

| %: 20.0000 - 40.0000 | GS: LT-UNK | RC: None | NANO: NO | ROLE: Urethane Component |
|---|---|---|---|---|

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

SUBSTANCE NOTES:

TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) ID: 13674-84-5

| %: 15.0000 - 25.0000 | GS: BM-U | RC: None | NANO: NO | ROLE: Flame retardant |
|---|---|---|---|---|

| 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:

POLYETHYLENE GLYCOL NONYLPHENYL ETHER ID: 9016-45-9

| %: 15.0000 - 25.0000 | GS: LT-1 | RC: None | NANO: NO | ROLE: Urethane component/foaming aid |
|---|---|---|---|---|

| HAZARDS: | | AGENCY(IES) WITH WARNINGS: |
|---|---|---|
| ENDOCRINE | EU - Priority Endocrine Disrupters | Category 1 - In vivo evidence of Endocrine Disruption Activity |

| | | |
|---|---|---|
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action |
| ENDOCRINE | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Substance of Possible Concern |
| ENDOCRINE | OSPAR - Priority PBTs & EDs & equivalent concern | Endocrine Disruptor - Chemical for Priority Action |
| RESTRICTED LIST | US EPA - PPT Chemical Action Plans | EPA Chemical of Concern - Action Plan published |
| RESTRICTED LIST | US EPA - PPT Chemical Action Plans | TSCA Work Plan chemical - Action Plan in development |
| ENDOCRINE | ChemSec - SIN List | Endocrine Disruption |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| REPRODUCTIVE | US EPA - PPT Chemical Action Plans | Reproductive effects |
| CHRON AQUATIC | US EPA - PPT Chemical Action Plans | Highly toxic to aquatic organisms |
| DEVELOPMENTAL | US EPA - PPT Chemical Action Plans | Developmental Effects |

SUBSTANCE NOTES: Reacts with PERMAX - A Component upon application.

N,N,N'-TRIMETHYLAMINOETHYL ETHANOLAMINE ID: 2212-32-0

| | | | | |
|---|---|---|---|---|
| %: 3.0000 - 7.0000 | GS: UNK | RC: None | NANO: NO | ROLE: Catalyst |

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

SUBSTANCE NOTES:

BIS(2-(DIMETHYLAMINO)ETHYL) ETHER ID: 3033-62-3

| | | | | |
|---|---|---|---|---|
| %: 1.0000 - 5.0000 | GS: LT-P1 | RC: None | NANO: NO | ROLE: Catalyst |

| HAZARDS: | | AGENCY(IES) WITH WARNINGS: |
|---|---|---|
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

SUBSTANCE NOTES:

ETHYLENE GLYCOL ID: 107-21-1

| | | | | |
|---|---|---|---|---|
| %: Impurity/Residual | GS: BM-1 | RC: None | NANO: NO | ROLE: Impurity/Residual |

| HAZARDS: | AGENCY(IES) WITH WARNINGS: |
|---|---|

| | | |
|---|---|---|
| MAMMALIAN | EU - R-phrases | R22 - Harmful if Swallowed |
| DEVELOPMENTAL | CA EPA - Prop 65 | Developmental toxicity |
| DEVELOPMENTAL | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: Reacts with PERMAX - A Component 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.

## 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: Must be used to produce cured foam.

## Section 5: General Notes

# Section 6: References

**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 Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

**AQU** Aquatic toxicity
**CAN** 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 Unspeci ed (insu cient 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.