## PERMAX 2.0 W - B Component by Henry Company

**Health Product Declaration v2.0** 

created via: HPDC Online Builder

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



CONTENT

# Section 1: Summary

INVENTORY		Based on the selected Content Inventory Threshold:		
	Residuals and			
Threshold per	impurities	Characterized	•	0
material	considered in	Are the Percent Weight and Role provided for all substances?	Yes	No
<b>1</b> 00 ppm	1 of 1 materials	Screened	•	0
O 1,000 ppm O Per GHS SDS O Per OSHA MSDS	<ul><li>see Section 2:</li><li>Material Notes</li><li>see Section 5:</li></ul>	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Onther	General Notes	Identified	•	0
- Outlet	General Notes	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- LT-UNK WATER BM-4 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL LT-UNK | MAM | EYE | SKI DIETHYLTOLUENEDIAMINE 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**

CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

No certifications have been added to this HPD.

O Self-Published\* VERIFIER: SCREENING DATE: January 17, 2017

EXPIRY DATE\*: January 17, 2020

or within 3 months of significant change in product contents



# 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.

MAX 2.0 - B COMPONEN ntory Threshold: 100 ppm rial Notes:	Residuals Consider				
1,3-BENZENEDIAMINE,	IER WITH OXIRANE		ID: 63641	1-64-5	
%: 20.0000 - 40.0000	GS: LT-UNK	RC: None	NAN	NO: NO	ROLE: Urethane component
HAZARDS:		AGEN	ICY(IES) WI	TH WARNINGS	S:
None Found		No wa	ırnings found	d on HPD Priori	ity lists
SUBSTANCE NOTES:					
(DIMETHYLAMINO)CYCLOHEXANE			ID: 98-94-2		
%: 10.0000 - 15.0000	GS: LT-UNK	RC: None	NAN	NO: NO	ROLE: Catalyst
HAZARDS:		AGEN	ICY(IES) WI	TH WARNING	S:
None Found	No warnings found on HPD Priority lists				
SUBSTANCE NOTES:					
TRIS(1-CHLORO-2-PRO	PYL)PHOSPHATE (TO	CPP, TMCP)		ID: 13674	1-84-5
%: 10.0000 - 15.0000	GS: BM-U	RC: None	NAN	NO: NO	ROLE: Flame retardar
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
ENDOCRINE	TEDX - Potential Endocrine Disruptors		ı	Potential Endocrine Disruptor	
РВТ	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	

1,1,1,3,3-PENTAFLUOR		ID: 460-73-1				
%: 10.0000 - 15.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Blowing agent		
HAZARDS:	AGENCY(IES) WITH WARNINGS:					
GLOBAL WARMING	US EPA - Glo	obal Warming Potentials	Global Warmin	ng Potential greater than 1,000		
SUBSTANCE NOTES:						
1,2-BENZENEDICARBO	XYLIC ACID, 3,4,5,6-TI AND PROPYLENE GLY	ETRABROMO-, MIXED ESTERS \ /COL	WITH ID: 7709	98-07-8		
%: 5.0000 - 15.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Flame retardant		
HAZARDS:		AGENCY(IE	ES) WITH WARNING	GS:		
PBT	OSPAR - Pric	ority PBTs & EDs & equivalent	PBT - Chemica	al for Priority Action		
ENDOCRINE	OSPAR - Pric	ority PBTs & EDs & equivalent	Endocrine Disr	ruptor - Chemical for Priority Action		
PBT	EHP - San A	ntonio Statement on BFRs & CFRs	s Flame retardar PB&T & long ra	nt substance class of concern for ange transport		
RESTRICTED LIST	US EPA - PPT Chemical Action Plans  TSCA Work Plan chemical - ongoing chemical (risk) assessment					
SUBSTANCE NOTES:						
1,2-ETHANEDIAMINE, P	OLYMER WITH 2-MET	HYLOXIRANE AND OXIRANE	ID: 2631	6-40-5		
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Urethane component		
HAZARDS:		AGENCY(IE	ES) WITH WARNING	GS:		
None Found		No warnings	s found on HPD Prior	rity lists		
SUBSTANCE NOTES:						
POLY(OXY(METHYL-1,2 ETHANEDIYL)BIS(OMEC		HA,ALPHS'-(OXYDI-2,1-	ID: 9051	-51-8		
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Urethane component		
	AGENCY(IES) WITH WARNINGS:					
HAZARDS:		AGENCY(IE	ES) WITH WARNING	3S:		

WATER			ID: 7732-18-5			
%: 1.0000 - 5.0000	GS: BM-4	RC: None	NANO: NO	ROLE: Foaming aid		
HAZARDS:			AGENCY(IES) WITH WARNINGS	):		
None Found			No warnings found on HPD Priorit	y lists		
SUBSTANCE NOTES:						
2,4,6-TRI(DIMETHYLAN	MINOMETHYL)PHENOL		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			
EYE IRRITATION	EU - R-phrases		R36 - Irritating to eyes			
SKIN IRRITATION	EU - R-phrases		R38 - Irritating to skin			
SKIN IRRITATION	EU - GHS (H-Statements)		H315 - Causes skin irritation			
EYE IRRITATION	EU - GHS (H-Statements)		H319 - Causes serious eye irritation			
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		
MAMMALIAN	EU - R-phrases		R22 - Harmful if Swallowed			
EYE IRRITATION	EU - R-phrases		R36 - Irritating to eyes			
ORGAN TOXICANT	EU - R-phrases		R48: Danger of serious damage to health by prolonged exposure.			
ACUTE AQUATIC	EU - R-phrases		R50 - Very Toxic to Aquatic Organisms			
ACUTE AQUATIC	EU - GHS (H-St	atements)	H400 - Very toxid	H400 - Very toxic to aquatic life		
CHRON AQUATIC	EU - GHS (H-St	atements)	H410 - Very toxic to aquatic life with long lastin			

EYE IRRITATION	EU - GHS (H-Statements)		H319 - Causes s	H319 - Causes serious eye irritation		
MULTIPLE	German FEA	A - Substances Hazardous to	Waters Class 2 - Hazard	Class 2 - Hazard to Waters		
SUBSTANCE NOTES:						
ETHYLENE GLYCOL			ID: 107-21	1-1		
%: Impurity/Residual	GS: BM-1	RC: None	NANO: NO	ROLE: Impurity/Residual		
HAZARDS:	AGENCY(IES) WITH WARNINGS:					
MAMMALIAN	EU - R-phrases		R22 - Harmful if	R22 - Harmful if Swallowed		
DEVELOPMENTAL	CA EPA - Prop 65		Developmental t	Developmental toxicity		
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs			Clear Evidence of Adverse Effects - Developmental Toxicity		
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocr	Potential Endocrine Disruptor		
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.

### **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

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Suite 800

El Segundo, CA 90245

USA

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#### 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 GLO Global warming

CAN Cancer MAM Mammalian/systemic/organ toxicity

DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity

MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion

**GEN** Gene mutation **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.