PERMAX 1.8 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
● 100 ppm	1 of 1 materials	Screened	•	0
O 1,000 ppm O Per GHS SDS O Per OSHA MSDS	see Section 2:Material Notessee Section 5:	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Onther	General Notes	Identified	0	0
Other	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 1.8 R - B COMPONENT [1,3-BENZENEDIAMINE, AR-METHYL-, POLYMER WITH OXIRANE LT-UNK (DIMETHYLAMINO)CYCLOHEXANE LT-UNK 1,1,1,3,3-PENTAFLUOROPROPANE LT-UNK | TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) BM-U | END | PBT | MUL 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 DIETHYLTOLUENEDIAMINE LT-P1 | MAM | EYE | AQU | MUL 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL LT-UNK | MAM | EYE | SKI 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.

RMAX 1.8 R - B COMPONENT entory Threshold: 100 ppm sterial Notes:	%: 100.0000 - 10 Residuals Consid			
1,3-BENZENEDIAMINE, AR-	METHYL-, POLYM	TER WITH OXIRANE	ID: 63641-	-64-5
%: 20.0000 - 40.0000 G	SS: LT-UNK	RC: None	NANO: NO	ROLE: Urethane component
HAZARDS:		AGEN	NCY(IES) WITH WARNINGS	3:
None Found		No wa	arnings found on HPD Priorit	y lists
SUBSTANCE NOTES:				
(DIMETHYLAMINO)CYCLOH	IEXANE		ID: 98-94-	2
%: 10.0000 - 15.0000	S: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst
HAZARDS:		AGEN	ICY(IES) WITH WARNINGS	3:
None Found		No wa	arnings found on HPD Priorit	y lists
SUBSTANCE NOTES:				
1,1,1,3,3-PENTAFLUOROPR	OPANE		ID: 460-73	3-1
%: 10.0000 - 15.0000	S: LT-UNK	RC: None	NANO: NO	ROLE: Blowing agent
HAZARDS:		AGEN	NCY(IES) WITH WARNINGS):
GLOBAL WARMING	US EPA - GI	obal Warming Potentials	Global Warming	Potential greater than 1,000
SUBSTANCE NOTES:				
TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TO	CPP, TMCP)	ID: 13674-	-84-5
%: 10.0000 - 15.0000 G	S: BM-U	RC: None	NANO: NO	ROLE: Flame retardant

HAZARDS:	AGENCY(IES) WITH WARNINGS:				
ENDOCRINE	TEDX - Potential Endocri	ine Disruptors	Potential Endocri	ne Disruptor	
PBT	EHP - San Antonio State	EHP - San Antonio Statement on BFRs & CFRs Flame retardant substance class of conce PB&T & long range transport			
RESTRICTED LIST	US EPA - PPT Chemical Action Plans		TSCA Work Plan chemical - ongoing chemical (risk) assessment		
SUBSTANCE NOTES:					
	(YLIC ACID, 3,4,5,6-TETRABRON ND PROPYLENE GLYCOL	10-, MIXED ESTERS	WITH ID: 77098-	07-8	
%: 5.0000 - 10.0000	GS: LT-1 RC:	: None	NANO: NO	ROLE: Flame retardant	
HAZARDS:	AGENCY(IES) WITH WARNINGS:				
PBT	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - Chemical f	PBT - Chemical for Priority Action	
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern		Endocrine Disrup	Endocrine Disruptor - Chemical for Priority Action	
PBT	EHP - San Antonio State	ment on BFRs & CFR	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, P	OLYMER WITH 2-METHYLOXIRA	NE AND OXIRANE	ID: 26316-	40-5	
%: 5.0000 - 10.0000	GS: LT-UNK RC:	: None	NANO: NO	ROLE: Urethane component	
HAZARDS:		AGENCY(I	ES) WITH WARNINGS	:	
None Found	No warnings found on HPD Priority lists				
SUBSTANCE NOTES:					
POLY(OXY(METHYL-1,2 ETHANEDIYL)BIS(OMEG	-ETHANEDIYL)), ALPHA,ALPHS'-(GA-HYDROXY-	(OXYDI-2,1-	ID: 9051-5	1-8	
%: 5.0000 - 10.0000	GS: LT-UNK RC:	: None	NANO: NO	ROLE: Urethane component	
HAZARDS:	AGENCY(IES) WITH WARNINGS:				

EU - R-phrases		R38 - Irritating to skin		
EU - GHS (H-Statements)		H315 - Causes skin irritation		
EU - GHS (H	IS (H-Statements) H319 - Causes serious eye irritation			
		ID: 107-21	I-1	
GS: BM-1	RC: None	NANO: NO	ROLE: Impurity/Residual	
	AGENCY	(IES) WITH WARNINGS	3 :	
EU - R-phrases		R22 - Harmful if Swallowed		
CA EPA - Prop 65 Developmental toxicity		oxicity		
US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Developmental Toxicity		
TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
	EU - GHS (H EU - GHS (H EU - GHS (H GS: BM-1 EU - R-phras CA EPA - Pro US NIH - Rep Monographs	EU - GHS (H-Statements) EU - GHS (H-Statements) GS: BM-1 RC: None AGENCY EU - R-phrases CA EPA - Prop 65 US NIH - Reproductive & Developmental Monographs	EU - GHS (H-Statements) EU - GHS (H-Statements) H315 - Causes s EU - GHS (H-Statements) H319 - Causes s ID: 107-2* GS: BM-1 RC: None NANO: NO AGENCY(IES) WITH WARNINGS EU - R-phrases R22 - Harmful if CA EPA - Prop 65 Developmental t US NIH - Reproductive & Developmental Monographs Clear Evidence of Developmental	



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.