

Name PERMAX 1.8 W - B Component



Product ID RT204507 Classification 07 27 36.00 Thermal and Moisture Protection (insulation water barrier): Sprayed Foam Air Barrier

Website www.henry.com

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Description Part B of a two component, polyurethane, spray foam system.

Release Date 2014-01-25  Self-declared  
Expiry Date 2017-01-25  Second Party Certifier  
HPD URL <http://tool.hpdcollaborative.org/uploads/files/hpds/335/469-20140125132109.pdf>  Third Party Certificate #

### SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

**Residuals Disclosure**  measured 100 ppm (ideal)  measured 1000 ppm  predicted by process chemistry  as per MSDS (10,000 ppm)  not disclosed  other

**Full Disclosure of Intentional Ingredients**  Yes  No  
**Full Disclosure of Known Hazards**  Yes  No  
**Notes**

### Contents in Descending Order of Quantity

1,3-Benzenediamine, ar-methyl-, polymer with oxirane , (DIMETHYLAMINO)CYCLOHEXANE , TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) , 1,1,1,3,3-Pentafluoropropane , 1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL , 1,2-ethanediamine, polymer with 2-methyloxirane and oxirane , poly(oxy(methyl-1,2-ethanediyl)), alpha,alphs'-(oxydi-2,1-ethanediyl)bis(omega-hydroxy- , WATER , 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL , DIETHYLTOLUENEDIAMINE , ETHYLENE GLYCOL

**Hazards**  PBT (Persistent Bioaccumulative Toxic)  Cancer  Gene Mutation  Development  Reproductive  Endocrine  Respiratory

**Highest concern GreenScreen score - Benchmark 1**  Neurotoxicity  Land toxicity  Multiple  Mammal  Physical hazard  Unknown  Skin or Eye  Global warming  Aquatic toxicity  Ozone depletion

**Total VOC Content**  
Material (g/L) N/A Does the product contain exempt VOCs?  N/A  Yes  No  
Regulatory (g/L) N/A Are there VOC-free tints available?  N/A  Yes  No

Notes

### Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard	Warnings					Notes
<b>1,3-Benzenediamine, ar-methyl-, polymer with oxirane</b>	63641-64-5	20 - 40 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
<b>(DIMETHYLAMINO)CYCLOHEXANE</b>	98-94-2	15 %	U	N	N	Catalyst
None found	No warnings found on HPD Priority lists					
<b>TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP)</b>	13674-84-5	10 - 15 %	U	N	N	Flame retardant
PBT	San Antonio: Flame retardant substance class of concern for PB&T & long range transport					
<b>1,1,1,3,3-Pentafluoropropane</b>	460-73-1	10 - 15 %	U	N	N	Blowing agent
GLOBAL WARMING	EPA-GW: Global Warming Potential greater than 1,000					
<b>1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL</b>	77098-07-8	5 - 15 %		N	N	Flame retardant
PBT	San Antonio: Flame retardant substance class of concern for PB&T & long range transport					
ENDOCRINE	OSPAR: Endocrine disruptor - Chemical for Priority Action					
<b>1,2-ethanediamine, polymer with 2-methyloxirane and oxirane</b>	26316-40-5	5 - 10 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
<b>poly(oxy(methyl-1,2-ethanediyl)), alpha,alphs'-(oxydi-2,1-ethanediyl)bis(omega-hydroxy-</b>	9051-51-8	5 - 10 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
<b>WATER</b>	7732-18-5	1 - 5 %		N	N	Foaming aid

None found	No warnings found on HPD Priority lists					
<b>2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL</b>	90-72-2	1 - 5 %	U	N	N	Catalyst
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
<b>DIETHYLTOLUENEDIAMINE</b>	68479-98-1	1 - 5 %	P1	N	N	Catalyst
EYE IRRITATION	EU H-Statements: H319 Causes serious eye irritation					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
<b>ETHYLENE GLYCOL</b>	107-21-1	R	BM1			Contaminant
DEVELOPMENTAL	NTP-OHAaT: A-Clear evidence of adverse developmental toxicant effects					
ENDOCRINE	TEDX: Potential Endocrine Disruptor					
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					

### CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Notes
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				


**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
PERMAX - A Component	<a href="http://tool.hpdcollaborative.org/uploads/files/hpds/335/481-20140125122551.pdf">tool.hpdcollaborative.org/uploads/files/hpds/335/481-20140125122551.pdf</a>
This product is one part of a two-part system and is required for all installations.	

**NOTES**