

Name PERMAX 2.0 W - B Component



Product ID RT204515 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/335/471-20140125125127.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 , 1,1,1,3,3-Pentafluoropropane , TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP) , 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- , DIETHYLTOLUENEDIAMINE , WATER , 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL , 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.

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.

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
1,3-Benzenediamine, ar-methyl-, polymer with oxirane	63641-64-5	20 - 40 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
(DIMETHYLAMINO)CYCLOHEXANE	98-94-2	15 %	U	N	N	Catalyst
None found	No warnings found on HPD Priority lists					
1,1,1,3,3-Pentafluoropropane	460-73-1	10 - 15 %	U	N	N	Blowing agent
GLOBAL WARMING	EPA-GW: Global Warming Potential greater than 1,000					
TRIS(1-CHLORO-2-PROPYL)PHOSPHATE (TCPP, TMCP)	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					
1,2-BENZENEDICARBOXYLIC ACID, 3,4,5,6-TETRABROMO-, MIXED ESTERS WITH DIETHYLENE GLYCOL AND PROPYLENE GLYCOL	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					
1,2-ethanediamine, polymer with 2-methyloxirane and oxirane	26316-40-5	5 - 10 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
poly(oxy(methyl-1,2-ethanediyl)), alpha,alphs'-(oxydi-2,1-ethanediyl)bis(omega-hydroxy-	9051-51-8	5 - 10 %	U	N	N	Urethane component
None found	No warnings found on HPD Priority lists					
DIETHYLTOLUENEDIAMINE	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					
WATER	7732-18-5	1 - 5 %		N	N	Foaming aid
None found	No warnings found on HPD Priority lists					
2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL	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)					
ETHYLENE GLYCOL	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
Condition when required or recommended and/or other notes	
PERMAX - A Component	tool.hpdcollaborative.org/uploads/files/hpds/335/481-20140125122551.pdf
This product is one part of a two-part system and is required for all installations.	

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