

Name R-Guard AirDam



Product ID 70440 Classification 07 27 00.00 Thermal and Moisture Protection (insulation water barrier): Air Barriers

Website www.prosoco.com/Products/b7d0bc23-a439-4e9f-96cd-dd0b6100d6f3

Manufacturer PROSOCO Contact Name Dwayne Fuhlhage
Address 3741 Greenway Circle Title Sustainability and Environment
Lawrence, Kansas 66046 Phone 785-830-7300
Email dwayne.fuhlhage@prosoco.com

Description AirDam is part of the family of PROSOCO R-GUARD® products developed to prevent the unwanted movement of water and air through building envelopes.

Installed as the interior air sealant, R-GUARD AirDam creates a long lasting, weather-tight seal that prevents moist outside air from entering, and conditioned indoor air from escaping around window and door assemblies.

This single component, 98% solids Silyl-Terminated-Poly-Ether (STPE) is easy to gun and tool in all weather conditions. AirDam cures quickly to produce a durable, high-performance, high movement elastomeric sealant.

AirDam is immediately waterproof and can be applied in unfavorable weather conditions to dry or damp substrates. This feature eliminates many weather-related construction delays and accelerates the "drying in" of new buildings.

Release Date 2014-05-15 Expiry Date 2017-05-15 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/106/217-20140515173818.pdf
Certifier Certificate #

SUMMARY DISCLOSURE

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

Residuals Disclosure Full Disclosure of Intentional Ingredients Full Disclosure of Known Hazards Disclosure Notes
Measured 100 ppm (ideal) Measured 1000 ppm Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm) Not disclosed Other

Contents in Descending Order of Quantity

CALCIUM CARBONATE , Unknown , POLYPROPYLENE GLYCOL , LIMESTONE; CALCIUM CARBONATE , 1,2-ETHANEDIAMINE, N-(3-(TRIMETHOXYSILYL)PROPYL)-(9CI) , Titanium dioxide , DI-N-BUTYL TIN BIS(ACETYLACETONATE) , trimethoxyvinylsilane , METHYLTRIMETHOXYSILANE , Unknown , SILICA, AMORPHOUS , BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) SEBACATE , 2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL , Alumina trihydrate , 1-AMINO OCTADECANE , STEARIC ACID , 1,2,3-PROPANETRIOL MONO((Z)-9-OCTADECENOATE)

Hazards Highest concern GreenScreen score - List Translator Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Cancer Gene Mutation Development Reproductive Endocrine Respiratory Neurotoxicity Mammal Skin or Eye Aquatic toxicity Land toxicity Physical hazard Global warming Ozone depletion Multiple Unknown

Total VOC Content

Material (g/L)
Regulatory (g/L) 35.00

Does the product contain exempt VOCs?

N/A Yes No

Are there VOC-free tints available?

N/A Yes No

Notes

Certifications + Compliance

VOC Emissions

CA Section 01350 (CHPS) Emission Test -
CDPH/EHLB Standard Method V1.1 -
Classroom & Office scenario

VOC Content

Not tested

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 A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
CALCIUM CARBONATE	471-34-1	20 - 40 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
Unknown	Unknown	20 - 40 %		N	N	Polymer
Unknown	Not disclosed by supplier					
The specific identity of this STPE polymer has been withheld by the supplier. The supplier has verified LBC v2.1 Red List conformance and it contains no California Proposition 65 chemicals. It is classified as non-hazardous in accordance with GHS criteria and is expected to be free of GreenScreen Benchmark 1 chemicals of concern. For purposes of this HPD, it would be considered unclassifiable.						
POLYPROPYLENE GLYCOL	25322-69-4	10 - 30 %	LT-U	N	N	Plasticizer
None found	No warnings found on HPD Priority lists					
Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
LIMESTONE; CALCIUM CARBONATE	1317-65-3	1 - 10 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
1,2-ETHANEDIAMINE, N-(3-(TRIMETHOXYSILYL)PROPYL)-(9CI)	1760-24-3	1 - 5 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						

Titanium dioxide	13463-67-7	1 - 3 %	LT-1	N	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
This pigment is bound in the polymer matrix. It cannot be liberated from the polymer or cured polymer matrix in a respirable form. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
DI-N-BUTYLTINBIS(ACETYLACETONATE)	22673-19-4	0.1 - 1 %	LT-P1	N	N	Catalyst
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					
CANCER	MAK: Carcinogen Group 4 - Non genotoxic carcinogen with low risk under MAK/BAT levels					
DEVELOPMENTAL	MAK: Pregnancy Risk Group B					
This catalyst is required to initiate cross-linking of the polymer in the presence of moisture. This material is classified as a PBT, but is bound in the polymer matrix upon curing.						
trimethoxyvinylsilane	2768-02-7	0.1 - 1 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
METHYLTRIMETHOXYSILANE	1185-55-3	0.1 - 1 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
Unknown	Unknown	0.1 - 1 %		N	N	Rheology modifier
Unknown	Not disclosed by supplier					
Ingredient identity withheld by supplier. Reviewed against GreenScreen Benchmark 1 criteria.						
SILICA, AMORPHOUS	7631-86-9	R	LT-1			Unknown
CANCER	NIOSH-C: Occupational carcinogen					
This material cannot be released from the product as supplied or cured as a respiratory particle that can cause carcinogenic exposure.						
BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) SEBACATE	52829-07-9	R	LT-P1			Unknown
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This is a component of a raw material. It will be bound in the polymer matrix.						
2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL	25973-55-1	R	LT-1			Unknown
PBT	OSPAR: PBT - Substance of Possible Concern					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This is a component of a raw material. It will be bound in the polymer matrix.						
Alumina trihydrate	21645-51-2	R	LT-U			Unknown
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
This material is bound in the polymer and not available for respirable form.						

1-AMINOOCCTADECANE	124-30-1	R	LT-P1		Unknown
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters				
This is a raw material component and will be bound in the polymer matrix.					
STEARIC ACID	57-11-4	R			Unknown
None found	No warnings found on HPD Priority lists				
This is a component of a raw material. It will be bound in the polymer matrix.					
1,2,3-PROPANETRIOL MONO((Z)-9-OCTADECENOATE)	25496-72-4	R	LT-U		Unknown
None found	No warnings found on HPD Priority lists				
This is a raw material component and will be bound in the polymer matrix.					

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	CA Section 01350 (CHPS) Emission Test - CDPH/EHLB Standard Method V1.1 - Classroom & Office scenario			Berkeley Analytical
	1st party manufacturer claim	2014-05-08	2019-05-08	https://tool.hpdcollaborative.org/uploads/files/certifications/106/1400189632.pdf
	Manufactured solely in Lawrence, Kansas			
VOC Content	Not tested			
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	

NOTES

This HPD is a technical update of one created in an early iteration of the HPD Builder. This product has been evaluated by PROSOCO and its polymer supplier to verify conformance with the Living Building Challenge v2.1 Red List.