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		

Health Product DECLARATION 1.0

Manufacturer	PROSOCO	**Name**	Dwayne Fuhlhage
Address	3741 Greenway Circle Lawrence, Kansas 66046	**Title**	Sustainability and Environment Director
		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. R-GUARD AirDam completes the air barrier system by stopping the movement of moist air through cracks surrounding windows and doors.

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 ensures that wind driven rain and condensed water are diverted to the flashing membrane and the water resistive barrier before it can enter the living space.

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	2013-11-07	☒ Self-declared	
Expiry Date	2016-11-07	☐ Second Party	**Certifier**
HPD URL	http://hpd.pharosproject.net/uploads/files/hpds/106/217-20131107140300.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

PROSOCO is disclosing known residuals in this product to a concentration of 0.1% based on supplier and formulary data.This disclosure document divulges greater than 99.7% of known ingredients and residuals.

Contents in Descending Order of Quantity

LIMESTONE; CALCIUM CARBONATE , Unknown , Plasicizer - Non-Phthalate , Silane , Silane , Catalyst , Silane , STEARIC ACID , Titanium dioxide , 1,2,3-PROPANETRIOL MONO((Z)-9-OCTADECENOATE) , SILICA, AMORPHOUS , BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) SEBACATE , 2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL , Alumina trihydrate , 1-AMINOOCTADECANE

Hazards

- ☒ PBT (Persistent Bioaccumulative Toxic)
- ☒ Cancer
- ☐ Gene Mutation
- ☐ Development
- ☐ Reproductive
- ☐ Endocrine
- ☒ Respiratory

Highest concern GreenScreen score - Benchmark 1

- ☐ Neurotoxicity
- ☐ Mammal
- ☐ Skin or Eye
- ☐ Aquatic toxicity
- ☐ Land toxicity
- ☐ Physical hazard
- ☐ Global warming
- ☐ Ozone depletion
- ☒ Multiple
- ☒ Unknown

Total VOC Content

Material (g/L)

Does the product contain exempt VOCs? ☐ N/A ☐ Yes ☒ No

Regulatory (g/L)	35.00	**Are there VOC-free tints available?**	☒ N/A	☐ Yes	☐ No
Notes					

Certifications + Compliance

VOC Emissions	Not tested	**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	**Warnings**					**Notes**
LIMESTONE; CALCIUM CARBONATE	1317-65-3	40 - 50 %	U	N	N	Filler
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	30 - 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.
Plasicizer - Non-Phthalate	Unknown	10 - 20 %		N	N	Plasticizer - Non-Phthalate
Unknown	Not disclosed					The exact identity of this component is held as proprietary due to Intellectual Property concerns. This component has been evaluated by its CAS number with the GreenWERCS GreenScreen tool and does not appear on any lists of chemicals of concern.
Silane	Unknown	1 - 5 %		N	N	Drying agent for shelf stability
Unknown	Not disclosed					The exact identity of this Silane family component is held as proprietary due to Intellectual Property concerns. This component has been evaluated by its CAS number with the GreenWERCS GreenScreen tool and is classified as LT-U.
Silane	Unknown	0.1 - 0.5 %		N	N	Drying agent for shelf stability
Unknown	Not disclosed					The exact identity of this component is held as proprietary due to Intellectual Property concerns. This component has been evaluated by its CAS number with the GreenWERCS GreenScreen tool and is classified as LT-U.
Catalyst	Unknown	0.5 - 0.9 %		N	N	Catalyst
Unknown	Not disclosed					The exact identity of this component is held as proprietary due to Intellectual Property concerns. This component has been evaluated by its CAS number

						with the GreenWERCS GreenScreen tool and is classified as LT-1 due to PBT traits. This is not relevant to the product as used as it reacts with monomers to become part of the polymer matrix.
Silane	Unknown	0.1 - 0.5 %		N	N	Drying agent for shelf stability
Unknown	Not disclosed					The exact identity of this component is held as proprietary due to Intellectual Property concerns. This component has been evaluated by its CAS number with the GreenWERCS GreenScreen tool and is classified as LT-U.
STEARIC ACID	57-11-4	1 - 3 %		N	N	Non-intentional ingredient
None found	No warnings found on HPD Priority lists					
Titanium dioxide	13463-67-7	1 - 3 %	BM1	N	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
1,2,3-PROPANETRIOL MONO((Z)-9-OCTADECENOATE)	25496-72-4	1 - 3 %	U	N	N	Non-intentional ingredient
None found	No warnings found on HPD Priority lists					
SILICA, AMORPHOUS	7631-86-9	R	BM1			Unknown
CANCER	NIOSH-C: Occupational carcinogen					Common component of calcium carbonate. 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	P1			Unknown
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL	25973-55-1	R	BM1			Unknown
PBT	OSPAR: PBT - Substance of Possible Concern					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Alumina trihydrate	21645-51-2	R				Unknown
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
1-AMINOOCTADECANE	124-30-1	R	P1			Unknown
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					

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	N/A			
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 product has been evaluated by PROSOCO and its polymer supplier to verify conformance with the Living Building Challenge v2.1 Red List.