Name	R-Guard Joint & Seam F	Filler		1.0						
Product ID	70410	Classification	07 27 00.00 Thermal and Moistu Protection (insulation water barrie Air Barriers	Health Product						
Website	www.prosoco.com/Products/425367	1d-1373-45ea-a68c-ee								
Manufacturer Address	PROSOCO 3741 Greenway Circle Lawrence, KS 66046	Contact Name Title Phone Email	Dwayne Fuhlhage Sustainability and Environment Director (785)830-7300 dwayne.fuhlhage@prosoco.com							
Description	water and air through building envelope	Joint & Seam Filler is part of the family of PROSOCO R-GUARD® products developed to prevent the unwanted movement of water and air through building envelopes. Utilize Joint & Seam Filler to prepare open joints, seams and cracks before installing R-GUARD FastFlash; any R-GUARD Primary Air & Water-Resistive Barrier; or other waterproofing and air barrier components in new or existing wall assemblies.								
	_	Joint & Seam Filler is a high modulus, gun-grade crack and joint filler, adhesive and detailing compound that combines the best of silicone and polyurethane properties. This single-component, fiber-reinforced, Silyl-Terminated-Poly-Ether (STPE) is easy to gun, spread and tool.								
	·	Use Joint & Seam Filler to fill openings and create transitions where flexible reinforcement is required to bridge gaps and provide continuous support of fluid-applied flashing membranes, waterproofing or air barrier components.								
	Suitable for all climates, Joint & Seam Filler bonds directly to damp or dry surfaces and cures under a variety of weather conditions. It dramatically reduces surface preparation time by eliminating the need for reinforcing tapes at sheathing joints, inside and outside corners.									
	Use Joint & Seam Filler as part of a building wide PROSOCO R-GUARD® Air & Water Resistive Barrier system, or to prepare surfaces for conventional waterproofing or air barrier components.									
			ns to concrete, masonry, natural stone  M and most other building materials.	, structural streaming,						
Release Date	2014-05-15	Self-declared								
Expiry Date HPD URL	2017-05-15 https://tool.hpdcollaborative.org/upl oads/files/hpds/106/706- 20140515171426.pdf	☐ Second Party ☐ Third Party	Certifier Certificate #							
SUMMARY DIS	SCLOSURE									
The content of this	product was assessed for health haza	rd warnings as requir	ed using Pharos							
Residuals Disclosu		Full Disclosure of I	ntentional Ingredients							
☐ Measured 100 pp		Full Disclosure of h	Known Hazards   Yes	□ No						
<ul><li>Measured 1000  </li><li>Predicted by prod</li></ul>	•	Disclosure Notes		a concentration of 0.40/						
	,000 & 10,000 ppm)		sing known residuals in this product to ad formulary data.This disclosure docu							
□ Not disclosed	, 300 с 10,000 ррш)		edients and residuals.							
□ Other										
Contents in Desce	nding Order of Quantity									

Unknown, POLYPROPYLENE GLYCOL, LIMESTONE; CALCIUM CARBONATE, CALCIUM CARBONATE, 1,2-ETHANEDIAMINE, N-(3-

METHYLTRIMETHOXYSILANE, DI-N-BUTYLTINBIS(ACETYLACETONATE), Undisclosed (Rheological Additive - Proprietary), FERRIC OXIDE,

 $(TRIMETHOXYSILYL)PROPYL) - (9CI) \;,\; POLYETHYLENE\; TEREPHTHALATE\; (PET) \;,\; Titanium\; dioxide \;,\; FERROUS\; OXIDE \;,$ 

 $trimethoxyvinylsilane\ ,\ SILICA,\ AMORPHOUS\ ,\ Alumina\ trihydrate\ ,\ STEARIC\ ACID\ ,\ QUARTZ$ 

Hazards  ☐ PBT (Persistent Bioaccumulative Toxic)  ☐ Cancer ☐ Gene Mutation	<ul><li>Development</li><li>Reproductive</li><li>Endocrine</li><li>Respiratory</li></ul>	Highest concern Gra  ☐ Neurotoxicity ☐ Mammal ☐ Skin or Eye ☐ Aquatic toxicity	eenScreen score - List Tr Land toxicity Physical hazard Global warming Ozone depletion	anslator Benchmark 1  Multiple  Unknown	
Total VOC Content Material (g/L) Regulatory (g/L) Notes	35.00	Does the product co	ontain exempt VOCs? tints available?	□ N/A □ Yes ■ No ■ N/A □ Yes □ No	
Certifications + Com VOC Emissions	•		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	Warning A						
Hazard B	Warning B	Warning B						
Hazard C	Warning C	Warning C						
Hazard D	Warning D	Warning D						
Hazard E	Warning E	Warning E						
Notes								
Inknown	Unknown	20 - 40 %		N	N	Polymer		
Unknown	Not disclosed by	by supplier						
The specific identity of this STPE polymer had no California Proposition 65 chemicals. It is a Benchmark 1 chemicals of concern. For purpose	classified as non-haza	ardous in accord	dance with	GHS cr	iteria and			
OLYPROPYLENE GLYCOL	25322-69-4	20 - 40 %	LT-U	N	N	Plasticizer		
None found	No warnings fo	No warnings found on HPD Priority lists						
Prosoco has withheld the exact percentage of	content of this materia	al to preserve In	tellectual P	roperty.				
IMESTONE, CALCIUM CADDONATE	1317-65-3	20 - 40 %	LT-U	PI	N	Filler		
IMESTONE; CALCIUM CARBONATE		No warnings found on HPD Priority lists						
None found	No warnings fo	und on HPD Pr	iority lists					
· · · · · · · · · · · · · · · · · · ·	_			roperty.				
None found  Prosoco has withheld the exact percentage of	_			roperty.	N	Filler		
	content of this materia	al to preserve In	tellectual P			Filler		
None found  Prosoco has withheld the exact percentage of the control of the contr	content of this materia  471-34-1  No warnings fo	10 - 30 % bund on HPD Pr	LT-U	N	N	Filler		
None found  Prosoco has withheld the exact percentage of the control of the contr	content of this materia  471-34-1  No warnings fo	10 - 30 % bund on HPD Pr	LT-U	N	N	Filler  Drying agent for shelf life stability		

POLYETHYLENE TEREPHTHALATE (PET)	25038-59-9	1 - 5 %	LT-U	N	N	Reinforcing fiber		
None found	No warnings fo	und on HPD P	riority lists					
This material is more commonly known as polyfully polymerized and inert.	ester in the context	t of synthetic fit	er or PET v	vhen us	sed in bev	verage bottle production. The fibers are		
Titanium dioxide	13463-67-7	1 - 3 %	LT-1	N	N	Pigment		
CANCER	NIOSH-C: Occ	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)						
Titanium dioxide is classified as a carcinogen in	n its respirable form	n. It cannot be I	iberated from	m this v	viscous p	roduct in liquid or cured polymer form.		
FERROUS OXIDE	1345-25-1	0.1 - 1 %	LT-U	N	N	Pigment		
CANCER	MAK: Carcinog	gen Group 3B -	Evidence o	f carcin	ogenic ef	ffects but not sufficient for classification		
This pigment will be bound in the polymer matr	ix and is not availa	ble in respirabl	e form.					
METHYLTRIMETHOXYSILANE	1185-55-3	0.1 - 1 %	LT-U	N	N	Drying agent for shelf life stability		
None found	No warnings fo	und on HPD P	riority lists					
This material cures in the presence of moisture to preserve Intellectual Property.	and is bound in th	ie polymer mat	ix. Prosoco	has wit	thheld the	e exact percentage content of this mater		
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: Pregnan	MAK: Pregnancy Risk Group B						
This catalyst is required to initiate cross-linking polymer matrix upon curing.	of the polymer in the	he presence of	moisture. T	his mat	erial is cl	assified as a PBT, but is bound in the		
Undisclosed (Rheological Additive - Proprietary)	Undisclosed	0.1 - 1 %		U	U	Rheological additive		
None found	No warnings found on HPD Priority lists							
The specific identity of this material has been w	ithheld by the sup	plier.						
FERRIC OXIDE	1309-37-1	0.1 - 1 %	LT-U	N	N	Pigment		
CANCER	MAK: Carcinog	gen Group 3B -	Evidence o	f carcin	ogenic et	ffects but not sufficient for classification		
rimethoxyvinylsilane	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								
SILICA, AMORPHOUS	7631-86-9	R	LT-1			Unknown		
CANCER	NIOSH-C: Occ	upational carci	nogen					
This material cannot be released from the prod	uct as supplied or	cured as a resp	iratory parti	cle that	can caus	se carcinogenic exposure.		
Alumina trihydrate	21645-51-2	R	LT-U			Unknown		

This material will be bound in the	polymer matrix and is not availal	ble in respir	able form.				
STEARIC ACID	57-11-4	R			Unknown		
None found	No warnings fo	No warnings found on HPD Priority lists					
Component of raw material.							
QUARTZ	14808-60-7	R	LT-1		Contaminant		
CANCER		IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)					
More commonly known as sand, product as supplied or cured as a	'			onate. This ma	aterial cannot be released from the		

## 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.

Туре	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/106/1400186094.pdf				
	Manufactured solely in Lawrence, Kansas.							
VOC	Not tested							
Content								
Recycled	Not tested							
Content								
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	8

## **NOTES**

This product is designed for exterior application to a building assembly as defined in LEED v4 EQ credits. Testing to the CDPH 01350 indoor air quality model would not be accurate or relevant for this application. It complies with CARB 2007 SCM VOC limits incorporated by reference in LEED v4 Healthcare and Schools exterior architectural coating credit language. This product has been evaluated by PROSOCO and its polymer supplier to verify conformance with the Living Building Challenge v2.1 Red List.