

Name

Consolideck LSGuard

Product ID

46073

Website

www.prosoco.com/Products/312a262c-a9f1-4e19-9edb-48e4bd9d4ee9

Manufacturer Address

PROSOCO  
3741 Greenway Circle  
Lawrence, Kansas 66046

Classification

03 35 00.00 Concrete (footing):  
Concrete Finishing

Contact Name

Dwayne Fuhlhage

Title

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Director

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1.0

Health Product  
DECLARATION

Description

Consolideck® LSGuard® combines high gloss beauty with a high performing lithium silicate hardener. This copolymer formulation improves the surface sheen, surface hardness and stain resistance of conventional concrete, hardened concrete or cement terrazzo floors. Surfaces treated with LSGuard resist damage from water, chemical attack and surface abrasion.

Ideal for application to standard grey or colored concrete, Consolideck® LSGuard® protects and enhances the color intensity of integrally colored and color stained concrete. LSGuard® provides a long lasting, high gloss finish that maximizes light reflectance and eliminates the need for floor waxes, liquid polishes and conventional resin based coatings.

Consolideck® LSGuard® will not trigger or contribute to surface ASR (Alkali Silicate Reaction).

Release Date

2014-04-28

Expiry Date

2017-04-28

HPD URL

<http://tool.hpdcollaborative.org/uploads/files/hpds/106/215-20140428135116.pdf>

☒ Self-declared

☐ Second Party

☐ Third Party

Certifier

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 (1,000 & 10,000 ppm)

☐ Not disclosed

☐ Other

Full Disclosure of Intentional Ingredients

☐ Yes☒ No

Full Disclosure of Known Hazards

☒ Yes☐ No

Disclosure Notes

PROSOCO has divulged all known intentional and residual ingredients to a 0.1% threshold with the exception of the exact identity of one component held as proprietary as a means to preserve Intellectual Property. The disclosed percentage of known materials constitutes 99.94% of the product formulation. The two ingredients held as proprietary by PROSOCO and its polymer supplier have been evaluated with the GreenWERCS tool and contain no intentionally added Benchmark 1 chemicals of concern. Two additional residuals are not listed on the HPD Toolshed database and constitute 0.5-0.9% unclassifiable material as defined by GHS and the GreenScreen List Translator. Lithium silicate recently appeared on the Canadian DSL for potential environmental persistence without human health effects (PiT category). This categorization is based on an unpublished report (NWRI Laboratory, Dr. Uwe Borgmann). Peer review status is unknown. This classification is not relevant for the product as it is applied and chemically reacts with concrete to form an insoluble matrix.

Contents in Descending Order of Quantity  
WATER , Unknown , Silicic acid, lithium salt , Potassium methylsilanetriolate , Undisclosed (Silane) , POTASSIUM HYDROXIDE , Undisclosed (68845-16-9) , Undisclosed (74956-86-8) , Undisclosed (Unknown)

Hazards

☐ PBT (Persistent Bioaccumulative Toxic)

☐ Cancer

☐ Gene Mutation

☐ Development

☐ Reproductive

☐ Endocrine

☐ Respiratory

Highest concern GreenScreen score - List Translator Unspecified

☐ Neurotoxicity

☒ Mammal

☒ Skin or Eye

☐ Aquatic toxicity

☐ Land toxicity

☐ Physical hazard

☐ Global warming

☐ Ozone depletion

☐ Multiple

☒ Unknown

Total VOC Content

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Material (g/L)		Does the product contain exempt VOCs?	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Regulatory (g/L)	99.00	Are there VOC-free tints available?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Notes					

Certifications + Compliance

VOC Emissions	SCS Indoor Advantage Gold	VOC Content	Not tested
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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 A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
WATER	7732-18-5	60 - 70 %		N	N	Carrier Solvent
None found	No warnings found on HPD Priority lists					
Unknown	Unknown	20 - 30 %		N	N	Polymer
Unknown	Not disclosed by supplier					
The specific identity of this functional polymer has been withheld by the supplier. However, the supplier has independently verified that this material contains no intentionally added GreenScreen Benchmark 1 chemicals.						
Silicic acid, lithium salt	12627-14-4	1 - 10 %	LT-U	N	N	Reactive Concrete Modifier
None found	No warnings found on HPD Priority lists					
Potassium methylsilanetriolate	31795-24-1	1 - 5 %		N	N	Reactive Concrete Modifier
None found	No warnings found on HPD Priority lists					
Undisclosed (Silane)	Unknown	1 - 5 %		N	N	Adhesion Promoter - Proprietary
None found	No warnings found on HPD Priority lists					
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.						

POTASSIUM HYDROXIDE	1310-58-3	R	LT-U			Contaminant
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
Potassium hydroxide is commonly used for pH adjustment in raw materials. The GreenScreen hazards are not relevant to this noncorrosive product as supplied or used.						
Undisclosed (68845-16-9)	Unknown	R				Contaminant
Unknown	Not disclosed					
Disclosed by exact CAS number. Residual material in silane. Not classified in the GreenScreen or Pharos library.						
Undisclosed (74956-86-8)	Unknown	R				Contaminant
Unknown	Not disclosed					
Disclosed by exact CAS number. Residual material in silane. Not classified in the GreenScreen or Pharos library.						
Undisclosed (Unknown)	Unknown	R				Contaminant
Unknown	Not disclosed					
This is generally classified as a methoxysilane with the exact ingredient identity held as proprietary by the raw material supplier.						

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	SCS Indoor Advantage Gold			SCS Global Services
	3rd party independent certification	2014-01-01	2014-12-31	<a href="http://www.scs-certified.com/products/cert_pdfs/PROSOCO_2014_SCS-IAQ-01606_s.pdf?r=1">www.scs-certified.com/products/cert_pdfs/PROSOCO_2014_SCS-IAQ-01606_s.pdf?r=1</a>
	Lawrence, Kansas. This is PROSOCO's sole production facility.			
	This product has been third-party emission tested as a system with Consolideck LS and Consolideck stains under the oversight of SCS Global.			
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

The HPD Builder has generated some errors related to unclassified residuals being 'undisclosed'. This product has been CDPH tested in combination with Consolideck LS and a worst case mixture of all GemTone Stain dyes.