

Name Consolideck LS



Product ID 46068 MasterFormat 09 61 00.00 Finishes: Flooring Treatment  
Website www.prosoco.com/Products/d7df365d-82d3-4cc1-b520-e8355e0f5eb5

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Description Consolideck® LS® is a zero-VOC premium sealer, dust-proofer, hardener and densifier for concrete surfaces. This deeply penetrating lithium silicate treatment reacts with the concrete to produce insoluble calcium silicate hydrate within the concrete pores. Treated surfaces resist damage by water, chemical attack or surface abrasion. LS will not trigger or contribute to surface Alkali Silicate Reaction (ASR). Unlike potassium and sodium silicate based products, Consolideck LS does not require post application rinsing and minimizes jobsite waste management concerns.  
MasterFormat 03 30 00 Concrete (footing) and Cast-in-Place Concrete

Release Date 2013-06-17  Self-declared  
Expiry Date 2016-06-17  Second Party Certifier  
HPD URL <http://hpd.pharosproject.net/uploads/files/hpds/106/50-20130617175630.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 has disclosed all known components in this formulated product. Given the raw materials and associated supplier quality assurance declarations, PROSOCO has a high degree of confidence that all materials have been evaluated.

### Contents in Descending Order of Quantity

WATER , Silicic acid, lithium salt , POTASSIUM HYDROXIDE , Mineral Siliconate (Proprietary)

Hazards  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) 0.00 Does the product contain exempt VOCs?  N/A  Yes  No  
Regulatory (g/L) 0.00 Are there VOC-free tints available?  N/A  Yes  No

Notes

### Certifications + Compliance

VOC Emissions SCS Indoor Advantage Gold 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](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	Warnings					Notes
<b>WATER</b>	7732-18-5	85 - 90 %		N	N	Carrier Solvent
None found	No warnings found on HPD Priority lists					
<b>Silicic acid, lithium salt</b>	12627-14-4	10 - 20 %		N	N	Reactive Concrete Modifier
None found	No warnings found on HPD Priority lists					
<b>POTASSIUM HYDROXIDE</b>	1310-58-3	0.1 - 0.3 %	U	N	N	pH Modifier - Unintentional
MAMMALIAN SKIN IRRITATION	EU R-Phrases: R22: Harmful if swallowed. EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					This component is a pH modifier and is a sub-component of another intentionally added formula ingredient. This component does not substantially impact the pH of the whole product.
<b>Mineral Silicate (Proprietary)</b>	Unknown	1 - 5 %		N	N	Functional Additive
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 it does not appear on any lists of chemicals of concern.

## 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			Scientific Certification Systems (SCS)	
	3rd party independent certification	2013-01-01	2013-12-31	<a href="http://hpd.pharosproject.net/uploads/files/certifications/106/1370988099.pdf">http://hpd.pharosproject.net/uploads/files/certifications/106/1370988099.pdf</a>	
	Lawrence, Kansas. This is PROSOCO's sole production facility.			This product has been third-party emission tested as a system with Consolideck stains and protective topcoats under the oversight of SCS Global.	
VOC Content	Not tested				
Recycled Content	Not tested				
Other					

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**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
<b>Condition when required or recommended and/or other notes</b>	

**NOTES**

PROSOCO has divulged all known intentional and unintentional ingredients with the exception of the exact identity of one component as a means to preserve Intellectual Property. Given the nature of the components and supplier quality assurance programs, PROSOCO has a high degree of certainty that all ingredients have been evaluated. Potassium Hydroxide appears in this formulation as a pH modifier included with one of the raw materials. This ingredient does not substantively impact the pH of the product as a whole which is non-corrosive and slightly alkaline (pH = 11.0) to assure compatibility with concrete substrates. 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 (NWRILaboratory, Dr. Uwe Borgmann). Peer review status is unknown. The classification is not relevant to use of the product as it is applied and chemically reacts with concrete to form an insoluble matrix. Unlike potassium and sodium silicates, lithium silicate is non-corrosive and does not require post-application rinsing.