

CLASSIFICATION: 03 35 00.00 CONCRETE: CONCRETE FINISHING

PRODUCT 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.

 **Section 1: Summary**

CONTENT INVENTORY

Threshold per material	Residuals and impurities considered in 1 of 1 materials	Based on the selected Content Inventory Threshold:	
<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> see Section 2:	Characterized.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> 1,000 ppm	Material Notes	Are the Percent Weight and Role provided for all substances?	
<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> see Section 5:	Screened.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Per OSHA MSDS	General Notes	Are all substances screened using Priority Hazard Lists with results disclosed?	
<input type="radio"/> Other		Identified.....	<input checked="" type="radio"/> Yes <input type="radio"/> No
		Are all substances disclosed by Name (Specific or Generic) and Identifier?	

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

Number of Greenscreen BM-4/BM3 contents..... 1
 Contents highest concern GreenScreen
 Benchmark or List translator Score..... LT-UNK
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

CONSOLIDECK LS [**WATER** **BM-4** **SILICIC ACID, LITHIUM SALT**
LT-UNK **POTASSIUM METHYLSILANETRIOLATE** **UNK**]

INVENTORY AND SCREENING NOTES:

PROSOCO has disclosed all known constituents in this formulated product. Given the raw materials and associated supplier quality assurance declarations, PROSOCO has a high degree of confidence that potential residuals have been evaluated. This product carries a Declare label and is Living Building Challenge v3.0 Red List Free.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 Regulatory (g/l): 0
 Does the product contain exempt VOCs: No
 Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: SCS-IAQ-01606_2016 (SCS Indoor Advantage Gold)
 See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: November 8, 2016	EXPIRY DATE*: November 8, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: November 8, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

CONSOLIDECK LS

%: 100.0000 - 100.0000 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: Yes

Material Notes:

WATER

ID: 7732-18-5

%: 80.0000 - 90.0000

GS: BM-4

RC: None

NANO: NO

ROLE: Carrier solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SILICIC ACID, LITHIUM SALT

ID: 12627-14-4

%: 10.0000 - 20.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Reactive modifier

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POTASSIUM METHYLSILANETRIOLATE

ID: 31795-24-1

%: 1.0000 - 10.0000

GS: UNK

RC: None

NANO: NO

ROLE: Reactive modifier

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:



Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or

environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All (Lawrence, KS)

CERTIFICATE URL:

http://www.prosoco.com/Content/Documents/Product/CD_LS_SCS_Certification_2016_C.pdf

CERTIFICATION AND COMPLIANCE NOTES: This product has been third-party emission tested as a system with other Consolideck products under the oversight of SCS Global. VOC content and verification of lack of specific chemicals listed in the LEEDv4 Low Emitting Materials credit is in the scope of the SCS Indoor Advantage Gold certification for wet-applied products.

SCS-IAQ-01606_2016 (SCS Indoor Advantage Gold)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-01-01	2016-12-31	SCS Global Services

+ Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

📄 Section 5: General Notes

This product carries a Declare label and is Living Building Challenge v3.0 Red List Free. Visit <https://living-future.org/declare-products> for additional information.



MANUFACTURER INFORMATION

MANUFACTURER: Prosoco, Inc.

CONTACT NAME: Dwayne Fuhlhage

ADDRESS: 3741 Greenway Circle
Lawrence, Kansas 66046
USA

TITLE: Sustainability and Environment Director

PHONE: 785-830-7300

WEBSITE: www.prosoco.com/products/consolideck-ls

EMAIL: dwayne.fuhlhage@prosoco.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.