

CLASSIFICATION: 03 35 00 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

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

Threshold Disclosed Per

- Material
- Product

Explanation(s) provided for Residuals/Impurities?
 Yes No

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.

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

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

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

INVENTORY AND SCREENING NOTES:

PROSOCO has disclosed all known constituents in this formula. This product carries a Declare label and is Living Building Challenge v3.0/4.0 Red List Free.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: SCS-IAQ-01606_2016 (SCS Indoor Advantage Gold)
VOC content: SCS Indoor Advantage Gold - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-03-10

PUBLISHED DATE: 2020-03-10

EXPIRY DATE: 2023-03-10



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

CONSOLIDECK LS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The raw materials in this product have been reviewed for residual content.

OTHER PRODUCT NOTES:

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-03-10**%: **80.00 - 90.00**GS: **BM-4**RC: **None**NANO: **No**ROLE: **Carrier solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

SILICIC ACID, LITHIUM SALT

ID: 12627-14-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-03-10**%: **10.00 - 20.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Reactive modifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

POTASSIUM METHYLSILANETRIOLATE

ID: 31795-24-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-03-10**%: **1.00 - 10.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Reactive modifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard 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

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

CERTIFYING PARTY: Third Party	ISSUE	EXPIRY	CERTIFIER OR
APPLICABLE FACILITIES: All (Lawrence, KS)	DATE:	DATE:	LAB: SCS
CERTIFICATE URL:	2020-	2020-	Global
https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf	01-01	12-31	Services

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.

VOC CONTENT

SCS Indoor Advantage Gold - Classroom & Office scenario

CERTIFYING PARTY: Third Party	ISSUE	EXPIRY	CERTIFIER OR LAB:
APPLICABLE FACILITIES: All (Lawrence, Kansas)	DATE:	DATE:	Scientific
CERTIFICATE URL:	2020-	2020-	Certification
https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf	01-01	12-31	Systems

CERTIFICATION AND COMPLIANCE NOTES: VOC content review is within the scope of the SCS Indoor Advantage Gold certification.

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.

No accessories are required for this product.

Section 5: General Notes

This product carries a Declare label and is Living Building Challenge v3.0/4.0 Red List Free. For additional information, visit <https://declare.living-future.org/products/consolideck-ls>



MANUFACTURER INFORMATION

MANUFACTURER: **Prosoco, Inc.**

ADDRESS: **3741 Greenway Circle**

Lawrence Kansas 66046, USA

WEBSITE: <https://prosoco.com/product/ls/>

CONTACT NAME: **Dwayne Fuhlhage**

TITLE: **Sustainability and Environment Director**

PHONE: **785-830-7300**

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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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

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

NoGS 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 Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

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 v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

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 standard noted.