Consolideck LS by Prosoco, Inc.

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 Disclosed Per
- Material
- Product

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 Ex/SC
- Yes
- No

% weight and role provided for all substances.

Screened (Yes Ex/SC)
- Yes Ex/SC
- Yes
- No

All substances screened using Priority Hazard Lists with results disclosed.

Identified (Yes Ex/SC)
- Yes Ex/SC
- Yes
- No

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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
CONSOLIDECK LS | WATER | BM-4 | SILICIC ACID, LITHIUM SALT | LT-UNK

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
## CONSOLIDECK LS

<table>
<thead>
<tr>
<th>Product Threshold: 100 ppm</th>
<th>Residuals and Impurities Considered: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residuals and Impurities Notes: The raw materials in this product have been reviewed for residual content.</td>
<td></td>
</tr>
<tr>
<td>Other Product Notes:</td>
<td></td>
</tr>
</tbody>
</table>

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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)
**WATER**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-03-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 80.00 - 90.00</td>
<td>GS: BM-4</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

None found

No warnings found on HPD Priority Hazard Lists

**SILICIC ACID, LITHIUM SALT**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-03-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 10.00 - 20.00</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

None found

No warnings found on HPD Priority Hazard Lists

**POTASSIUM METHYLSILANETRIOLATE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE</th>
<th>2020-03-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.00 - 10.00</td>
<td>GS: NoGS</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
</tr>
<tr>
<td>None found</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

No warnings found on HPD Priority Hazard Lists
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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All (Lawrence, KS)</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf">https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-01-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-12-31</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>SCS Global Services</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All (Lawrence, Kansas)</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf">https://prosoco.com/Content/Documents/Product/CFG_SCS_Certificate_2020_C.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-01-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-12-31</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>Scientific Certification Systems</td>
</tr>
</tbody>
</table>

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
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
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
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.