

CLASSIFICATION: 03 35 00.00 CONCRETE: CONCRETE FINISHING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: CONSOLIDECK® POLISHGUARD IS A DURABLE, PROTECTIVE COATING THAT DRAMATICALLY INCREASES THE STAIN RESISTANCE OF INTERIOR CONCRETE FLOORS.

Section 1: Summary

CONTENT INVENTORY

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

- Residuals and impurities considered in 1 of 1 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	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® POLISHGUARD [WATER **BM-4** 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH N-(1,1-DIMETHYL-3-OXOBUTYL)-2-PROPENAMIDE AND 2-ETHYLHEXYL 2-PROPENOATE **UNK** SODIUM HYDROXIDE **LT-P1** | SKI | PHY BENZENESULFONIC ACID, HEXADECYL(SULFOPHENOXY)-, DISODIUM SALT **NoGS** 1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNEEDIOL **LT-UNK** 1,2-BENZISOTHIAZOLIN-3-ONE (BIT) **LT-P1** | MAM | SKI | EYE | AQU | MUL ?HEXANEDIOIC ACID, DIHYDRAZIDE **NoGS** DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; **LT-P1** | PBT | MUL DIPROPYLENE GLYCOL **LT-UNK** DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB) **LT-UNK** ETHYLENE GLYCOL **BM-1** | MAM | DEV | END METHYL METHACRYLATE **LT-UNK** | SKI | RES | PHY METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE **LT-P1** | MUL PHOSPHORIC ACID **LT-P1** | SKI METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER **LT-UNK** LIGHT STABILIZERS **UNK** (ETHOXYLATED TRIDECYL ALCOHOL) PHOSPHATE **LT-P1** | MUL 1-PHENOXY-2-PROPANOL **LT-UNK**]

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

INVENTORY AND SCREENING NOTES:

Product contents including residuals are as reported by raw material suppliers on MSDS, SDS, Technical Data, sell sheets, web literature and QC/QA documents, to 1000 ppm in the final product. PolishGuard is also Declare labeled and LBC Compliant.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): Regulatory (g/l): 100 maximum
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: SCS-IAQ-01606_2017 (SCS Indoor Advantage Gold)
See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: May 12, 2017	EXPIRY DATE*: May 12, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: June 1, 2017	* 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® POLISHGUARD %: 100.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes:

WATER

ID: 7732-18-5

%: 60.0000 - 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:

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH N-(1,1-DIMETHYL-3-OXOBUTYL)-2-PROPENAMIDE AND 2-ETHYLHEXYL 2-PROPENOATE ID: 106006-89-7

%: 5.0000 - 20.0000 GS: UNK RC: None NANO: NO ROLE: Polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SODIUM HYDROXIDE

ID: 1310-73-2

%: 0.1000 - 1.0000 GS: LT-P1 RC: None NANO: NO ROLE: pH modifier

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION EU - R-phrases R35 - Causes severe burns

SKIN IRRITATION EU - GHS (H-Statements) H314 - Causes severe skin burns and eye damage

PHYSICAL HAZARD (REACTIVE) Korea - GHS H290: May be corrosive to metals

SUBSTANCE NOTES:

%: 0.1000 - 1.0000	GS: NoGS	RC: None	NANO: NO	ROLE: Unknown
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HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNEEDIOL

ID: 126-86-3

%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Unknown
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HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

1,2-BENZISOTHIAZOLIN-3-ONE (BIT)

ID: 2634-33-5

%: 0.1000 - 1.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: In-can preservative
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HAZARDS:

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

EYE IRRITATION

EU - R-phrases

R41 - Risk of serious damage to eyes

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H318 - Causes serious eye damage

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

SUBSTANCE NOTES:

?HEXANEDIOIC ACID, DIHYDRAZIDE

ID: 1071-93-8

%: 0.1000 - 1.0000 GS: NoGS RC: None NANO: NO ROLE: Unknown

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;

ID: 41556-26-7

%: 0.1000 - 1.0000 GS: LT-P1 RC: None NANO: NO ROLE: Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL

ID: 25265-71-8

%: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Carrier solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB)

ID: 29911-28-2

%: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Carrier solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ETHYLENE GLYCOL

ID: 107-21-1

%: 0.1000 - 1.0000 GS: BM-1 RC: None NANO: NO ROLE: Unknown

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

METHYL METHACRYLATE

ID: 80-62-6

%: 0.1000 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Unknown

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES:

METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE

ID: 82919-37-7

%: 0.1000 - 1.0000 GS: LT-P1 RC: None NANO: NO ROLE: Stabilizer

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

PHOSPHORIC ACID

ID: 7664-38-2

%: 0.1000 - 1.0000 GS: LT-P1 RC: None NANO: NO ROLE: pH modifier

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES:

METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER

ID: 9038-95-3

%: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Unknown

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LIGHT STABILIZERS

ID:

%: 0.1000 - 1.0000

GS: UNK

RC: None

NANO: NO

ROLE: Light stabilizer

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The exact light stabilizer is held proprietary by the supplier. Through in-house assessment, PROSOCO's sustainability team has determined that the set of possible chemicals does not include any chemicals on the LBC Red List. PROSOCO's sustainability team opted to include this as a single undisclosed constituent as apposed to listing the extensive list of possible chemicals that were reviewed to make this determination. While this results in an HPD that is not LEED compliant, it provides a more useful and valid disclosure.

(ETHOXYLATED TRIDECYL ALCOHOL) PHOSPHATE

ID: 9046-01-9

%: 0.1000 - 1.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Unknown

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

1-PHENOXY-2-PROPANOL

ID: 770-35-4

%: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Carrier solvent

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

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: Lawrence, Kansas. This is PROSOCO's sole production facility.

CERTIFICATE URL:

https://www.scs-certified.com/products/cert_pdfs/PROSOCO_2017_SCS-IAQ-01606_s2.pdf

CERTIFICATION AND COMPLIANCE NOTES:

SCS-IAQ-01606_2017 (SCS Indoor Advantage Gold)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2017-01-01	2017-12-31	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

PROSOCO has reviewed the chemical content of this product and obtained supplier affidavits to verify conformance with the Living Building Challenge v3.0 Materials Petal Red List. This product does not contain intentionally added chemicals present on the Red List.



MANUFACTURER INFORMATION

MANUFACTURER: Prosoco, Inc.

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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

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.