

CLASSIFICATION: 06 53 13.00

PRODUCT DESCRIPTION: Novalis High Density Core (HDC) luxury vinyl flooring is a rigid and floating floor system that can be installed with minimal subfloor preparation. It has a commercial wearlayer for commercial use. Installation is easy with an angle-drop locking system, and the product offers improved acoustic performance. Novalis HDC is waterproof and has strong scratch resistance. Novalis HDC carries 10-year commercial and 25-year residential warranties.

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

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

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.

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

NOVALIS HIGH DENSITY CORE (HDC) [CALCIUM CARBONATE BM-3
POLYVINYL CHLORIDE (PRIMARY CASRN IS 9002-86-2) LT-P1 | RES
OCTADECANOIC ACID, 10-CHLORO-9-METHOXY, METHYL ESTER NoGS
BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg POLYETHYLENE LT-UNK
CALCIUM STEARATE LT-UNK CHLORINATED POLYETHYLENE (CPE) LT-
UNK METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE
LT-UNK ZINC STEARATE LT-UNK EPOXIDIZED SOYBEAN OIL LT-UNK
STEARIC ACID LT-P1 | END CARBON BLACK BM-1 | CAN PETROLEUM
RESINS LT-1 | CAN ETHENE, HOMOPOLYMER, OXIDIZED LT-UNK HIGH-
IMPACT POLYSTYRENE LT-UNK EPOXY ACRYLATE NoGS 1,1'-
AZOBIS(FORMAMIDE) LT-UNK | RES WHITE MINERAL OIL LT-UNK 1,6-
HEXANEDIOL DIACRYLATE LT-P1 | SKI | EYE | MUL TRIPROPYLENE
GLYCOL DIACRYLATE LT-P1 | AQU | SKI | EYE | MUL DIPROPYLENE
GLYCOL DIACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE
LT-UNK | RES | CAN | SKI | EYE 2-(METHACRYLOYLOXY)ETHANOL LT-UNK
| SKI | EYE POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-
DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-
YL)OXY)- LT-P1 | MUL 1-PROPANONE, 2-HYDROXY-2-METHYL-1-
PHENYL- LT-UNK DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE
OXIDE LT-P1 | REP | MUL]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: RFCI FloorScore
VOC emissions: UL/GreenGuard Gold Certified
VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-02-26

PUBLISHED DATE: 2020-02-26

EXPIRY DATE: 2023-02-26



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

NOVALIS HIGH DENSITY CORE (HDC)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No Residuals and Impurities are considered because they do not affect the performance of the product.

OTHER PRODUCT NOTES:

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-26

#: 46.92 GS: BM-3 RC: None NANO: No ROLE: Main Content

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYVINYL CHLORIDE (PRIMARY CASRN IS 9002-86-2)

ID: 2137864-40-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-26

#: 32.79 GS: LT-P1 RC: None NANO: No ROLE: Main Content

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

OCTADECANOIC ACID, 10-CHLORO-9-METHOXY, METHYL ESTER

ID: 872803-71-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-26

#: 3.11 GS: NoGS RC: None NANO: No ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 1.55	GS: BM-3dg	RC: None	NANO: No	ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 1.01	GS: LT-UNK	RC: None	NANO: No	ROLE: IXPE Underlayment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

CALCIUM STEARATE

ID: 1592-23-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.97	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

CHLORINATED POLYETHYLENE (CPE)

ID: 63231-66-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.95 - 0.95	GS: LT-UNK	RC: None	NANO: No	ROLE: Impact Modifier

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE

ID: 25852-37-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.80 - 0.80	GS: LT-UNK	RC: None	NANO: No	ROLE: Acrylate
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

ZINC STEARATE

ID: 557-05-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.80 - 0.80	GS: LT-UNK	RC: None	NANO: No	ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.65 - 0.65	GS: LT-UNK	RC: None	NANO: No	ROLE: Plasticizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.24 - 0.24	GS: LT-P1	RC: None	NANO: No	ROLE: Internal Lubricant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: **0.14 - 0.14** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

PETROLEUM RESINS

ID: 64742-16-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: **0.12 - 0.12** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES:

ETHENE, HOMOPOLYMER, OXIDIZED

ID: 68441-17-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: **0.08 - 0.08** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **OPE Wax**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

HIGH-IMPACT POLYSTYRENE

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.07 - 0.07	GS: LT-UNK	RC: None	NANO: No	ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

EPOXY ACRYLATE

ID: 38891-59-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.06 - 0.06	GS: NoGS	RC: None	NANO: No	ROLE: PU Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

1,1'-AZOBIS(FORMAMIDE)

ID: 123-77-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.05 - 0.05	GS: LT-UNK	RC: None	NANO: No	ROLE: IXPE Underlayment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled		
SUBSTANCE NOTES:				

WHITE MINERAL OIL

ID: 8042-47-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-26		
%: 0.05 - 0.05	GS: LT-UNK	RC: None	NANO: No	ROLE: Adhesive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: **0.03 - 0.03** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **PU Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: **0.02 - 0.02** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **PU Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.02 - 0.02

GS: LT-UNK

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.02 - 0.02

GS: LT-UNK

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

2-(METHACRYLOYLOXY)ETHANOL

ID: 868-77-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.02 - 0.02

GS: LT-UNK

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-

ID: 84170-74-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.02 - 0.02

GS: LT-P1

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-

ID: 7473-98-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.01 - 0.01

GS: LT-UNK

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE

ID: 75980-60-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-02-26**

#: 0.01 - 0.01

GS: LT-P1

RC: None

NANO: No

ROLE: PU Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

REPRODUCTIVE

EU - GHS (H-Statements)

H361f - Suspected of damaging fertility

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

RFCI FloorScore

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **Conforms to the CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.**

CERTIFICATE URL:

https://www.scs-certified.com/products/cert_pdfs/Novalis_2019_SCS-FS-02221_s2.pdf

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE:

2019-05-01

EXPIRY DATE:

2020-04-30

CERTIFIER OR LAB: **SCS**

Global Services

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Sectopm 7.1 and 7.2. Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3. Panel based workstations are modeled in the open plan environment. Casework systems and individual furniture items are modeled in the private office environment. Seating products are modeled in the seating environment. Classroom furniture is modeled using the standard classroom model in the California Department of Public Health (CDPH) Standard Method v1.2.**

CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1f0c355b0e82d946acaa9?page_type=Products%20Catalog

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2019-11-03**

EXPIRY DATE: **2020-11-03**

CERTIFIER OR LAB: **UL**

VOC EMISSIONS

SCS Indoor Advantage Gold - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0 Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the private office, school classroom, and single-family residence parameters, modeled As flooring.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: **2019-02-01**

EXPIRY DATE: **2020-04-30**

CERTIFIER OR LAB: **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.

No accessories are required for this product.

Section 5: General Notes

Novalis High Density Core (HDC) luxury vinyl flooring is a rigid and floating floor system that can be installed with minimal subfloor preparation. It has a commercial wear layer for commercial use. Installation is easy with an angle-drop locking system, and the product offers improved acoustic performance. Novalis HDC is waterproof and has strong scratch resistance. Novalis HDC carries 10-year commercial and 25-year residential warranties.



MANUFACTURER INFORMATION

MANUFACTURER: **Novalis**
 ADDRESS: **No 63 Guangyuan Rd**
Dantu Industrial Zone
Zhenjiang Jiangsu 212131, China
 WEBSITE: **novalis-intl.com**

CONTACT NAME: **Jane Chen**
 TITLE: **Product Assistant**
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 EMAIL: **jane.chen@novalis.cn**

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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.