

HPD UNIQUE IDENTIFIER: 28519

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: Novalis CN High Performance Core (HPC) Click is a Rigid Core Click-and-Lock Vinyl Flooring Product that is manufactured in China and warranted for Light Commercial and Residential environments.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold Level</p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p><input type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input checked="" type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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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

CN HIGH PERFORMANCE CORE (HPC) CLICK WITH UNDERLAYMENT

[**CALCIUM CARBONATE (CALCIUM CARBONATE)** BM-3 **POLYVINYL CHLORIDE (POLYVINYL CHLORIDE)** LT-P1 | RES **QUERCUS SUBER BARK – CORK (AGGLOMERATED CORK SHEET)** NoGS **OCTADECANOIC ACID, 10-CHLORO-9-METHOXY, METHYL ESTER** NoGS **DAKRIL 4B (2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE)** LT-UNK **BIS(2-ETHYLHEXYL) TEREPHTHALATE (DIOCTYL TERAPHTHALATE (DOTP/DEHT))** BM-3dg **PETROLEUM RESINS** LT-1 | CAN **CALCIUM STEARATE** LT-UNK **ZINC STEARATE (ZINC STEARATE)** LT-UNK **HIGH-IMPACT POLYSTYRENE (STYRENE-BUTADIENE COPOLYMERS)** LT-UNK **METHYLMETHACRYLATE-BUTADIENE-STYRENECO POLYMER RESIN** Not Screened **WHITE MINERAL OIL** LT-UNK **1,6-HEXANEDIOL DIACRYLATE (2-PROPENOIC ACID, 1,6-HEXANEDIYL ESTER)** LT-P1 | SKI | MUL | EYE 1,1'-**AZOBIS(FORMAMIDE) (DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE)))** LT-UNK | RES **EPOXIDIZED SOYBEAN OIL** LT-P1 **STEARIC ACID** LT-P1 | END **ETHENE, HOMOPOLYMER, OXIDIZED** LT-UNK **EPOXY ACRYLATE** Not Screened **TITANIUM DIOXIDE** LT-1 | CAN | END **CARBON BLACK** BM-1 | CAN **DIPROPYLENE GLYCOL DIACRYLATE (OXYBIS(METHYL-2,1-ETHANEDIYL) DIACRYLATE)** LT-UNK **TRIPROPYLENE GLYCOL DIACRYLATE (2-PROPENOIC ACID, (1-METHYL-1,2-ETHANEDIYL) BIS[OXY(METHYL-2,1-ETHANEDIYL)] ESTER)** LT-P1 | SKI | MUL | EYE | AQU **2,4,6-TRIMETHYLBENZOYL DIPHENYLPHOSPHINE OXIDE (PHOSPHINE OXIDE, DIPHENYL(2,4,6-TRIMETHYLBENZOYL)-)** LT-P1 | MUL | REP **TRIPROPYLENE GLYCOL DIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE/2-HYDROXYPROPYL ACRYLATE)** LT-P1 | SKI | MUL | EYE | AQU **2-HYDROXYETHYL METHACRYLATE (2-PROPENOIC ACID, 2-METHYL-,**

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:

As per the substances' CAS numbers, Octadecanoic Acid and Epoxy Resin, are very new, GreenScreen Benchmark or LT scores have not been calculated yet. This is the reason why screening data is not available in the HPD Builder.

2-HYDROXYETHYL ESTER) 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 BENZOYL ISOPROPANOL (1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-) LT-UNK PIGMENT YELLOW 138 (1H-ISOINDOLE-1,3(2H)-DIONE, 4,5,6,7-TETRACHLORO-2-[2- (4,5,6,7-TETRACHLORO-2,3-DIHYDRO-1,3-DIOXO-1H-INDEN -2-YL)-8-QUINOLINYL]-) LT-UNK]

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
LCA: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2022-05-10

PUBLISHED DATE: 2022-05-11

EXPIRY DATE: 2025-05-10

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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

CN HIGH PERFORMANCE CORE (HPC) CLICK WITH UNDERLAYMENT

PRODUCT THRESHOLD: 100 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: None

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:49

#: 46.9200 - 46.9200 GS: BM-3 RC: None NANO: No SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES:

POLYVINYL CHLORIDE (POLYVINYL CHLORIDE)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:50

#: 37.8300 - 37.8300 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

QUERCUS SUBER BARK – CORK (AGGLOMERATED CORK SHEET)

ID: 61789-98-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:50

#: 2.5900 - 2.5900 GS: NoGS RC: PreC NANO: No SUBSTANCE ROLE: Cushioning

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

SUBSTANCE NOTES:

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

ID: 872803-71-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:51

#: 2.3200 - 2.3200

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

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

SUBSTANCE NOTES: Wear Layer

DAKRIL 4B (2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE)

ID: 25852-37-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:51

#: 2.2100 - 2.2100

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Processing regulator

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

SUBSTANCE NOTES: Acrylic Processing Aid

BIS(2-ETHYLHEXYL) TEREPHTHALATE (DIOCTYL TERAPHTHALATE (DOTP/DEHT))

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:52

#: 1.7100 - 1.7100

GS: BM-3dg

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

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

SUBSTANCE NOTES: Wear Layer

PETROLEUM RESINS

ID: 64742-16-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:52

#: 1.2000 - 1.2000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Adhesive

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

SUBSTANCE NOTES:

CALCIUM STEARATE

ID: 1592-23-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-05-10 15:08:53

#: 1.1200 - 1.1200

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Stabilizer

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

ZINC STEARATE (ZINC STEARATE)

ID: 557-05-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:08:53		
#: 0.9000 - 0.9000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

HIGH-IMPACT POLYSTYRENE (STYRENE-BUTADIENE COPOLYMERS)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:08:54		
#: 0.7200 - 0.7200	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

METHYLMETHACRYLATE-BUTADIENE-STYRENECO POLYMER RESIN

ID: **Unknown**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
#: 0.6300 - 0.6300	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Impact modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
		Hazard Screening not performed		
SUBSTANCE NOTES: In other databases, the CAS number associated with methylmethacrylate-butadiene-styreneco polymer resin is 25053-09-3.				

WHITE MINERAL OIL

ID: 8042-47-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:08:54		
#: 0.4800 - 0.4800	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:08:55**

#: **0.3800 - 0.3800** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]

SUBSTANCE NOTES:

1,1'-AZOBIS(FORMAMIDE) (DIAZENE-1,2-DICARBOXAMIDE (C,C'-AZODI(FORMAMIDE)))

ID: 123-77-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:08:55**

#: **0.3600 - 0.3600** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Blowing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RES	EU - GHS (H-Statements) Annex 6 Table 3-1	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1]

SUBSTANCE NOTES: Foaming agent

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:08:56**

#: **0.3300 - 0.3300** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Plasticizer**

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

SUBSTANCE NOTES: base layer

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:08:56**

#: **0.2400 - 0.2400** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Lubricant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SUBSTANCE NOTES: Internal Lubricant		

ETHENE, HOMOPOLYMER, OXIDIZED

ID: 68441-17-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:08:57		
%: 0.0900 - 0.0900	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Lubricant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: External Lubricant				

EPOXY ACRYLATE

ID: **Unknown**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: Not Screened		
%: 0.0750 - 0.0750	GS: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	Hazard Screening not performed			
SUBSTANCE NOTES: In other databases, epoxy acrylate is associated with CAS Number 38891-59-1				

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:08:58		
%: 0.0700 - 0.0700	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Blowing agent
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources		
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
SUBSTANCE NOTES: Foaming agent				

CARBON BLACK

ID: 1333-86-4

%: **0.0300 - 0.0300**GS: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES:

DIPROPYLENE GLYCOL DIACRYLATE (OXYBIS(METHYL-2,1-ETHANEDIYL) DIACRYLATE)ID: **57472-68-1**%: **0.0250 - 0.0250**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

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

SUBSTANCE NOTES: Di propylene Glycol Diacrylate

TRIPROPYLENE GLYCOL DIACRYLATE (2-PROPENOIC ACID, (1-METHYL-1,2-ETHANEDIYL) BIS[OXY(METHYL-2,1-ETHANEDIYL)] ESTER)ID: **42978-66-5**%: **0.0250 - 0.0250**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

SUBSTANCE NOTES: Tripropylene glycol diacrylate

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

ID: 75980-60-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:09:00**

#: **0.0250 - 0.0250** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	EU - GHS (H-Statements) Annex 6 Table 3-1	H361f - Suspected of damaging fertility [Reproductive toxicity - Category 2]

SUBSTANCE NOTES: Tripropylene glycol diacrylate

TRIPROPYLENE GLYCOL DIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE/2-HYDROXYPROPYL ACRYLATE)

ID: 42978-66-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:09:00**

#: **0.0250 - 0.0250** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

SUBSTANCE NOTES: 2-Hydroxy-2-Methyl-Phenyl-Propan-1-One

2-HYDROXYETHYL METHACRYLATE (2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER)

ID: 868-77-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-05-10 15:09:01**

#: **0.0200 - 0.0200** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]

SUBSTANCE NOTES: 2-Hydroxyethyl methacrylate

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: 2022-05-10 15:09:02		
%: 0.0150 - 0.0150	GS: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		

SUBSTANCE NOTES: Propoxylated Neopentyl Glycol Diacrylate

BENZOYL ISOPROPANOL (1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-)

ID: 7473-98-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:09:02		
%: 0.0110 - 0.0110	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: 2,4,6-Trimethyl Benzoyl Diphenyl Phosphine Oxide

PIGMENT YELLOW 138 (1H-ISOINDOLE-1,3(2H)-DIONE, 4,5,6,7-TETRACHLORO-2-[2-(4,5,6,7-TETRACHLORO-2,3-DIHYDRO-1,3-DIOXO-1H-INDEN -2-YL)-8-QUINOLINYL]-)

ID: 30125-47-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-05-10 15:09:03		
%: 0.0030 - 0.0030	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Organic Yellow

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	ISSUE DATE: 2022-05-	EXPIRY DATE: 2023-	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: ?	01	04-30	
CERTIFICATE URL: https://www.scsglobalservices.com/certified-clients/certificates/29399			
CERTIFICATION AND COMPLIANCE NOTES:			

VOC EMISSIONS	UL/GreenGuard Gold Certified		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-05-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: ?	09	11-03	
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5ad1f0c355b0e82d946aca4b?page_type=Products%20Catalog			
CERTIFICATION AND COMPLIANCE NOTES:			

LCA	Environmental Product Declaration (EPD) by UL		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-	EXPIRY DATE: 2025-	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: ?	01	01-01	
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5e27585c55b0e808b8beaf39?page_type=Products%20Catalog			
CERTIFICATION AND COMPLIANCE NOTES:			

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 CN High Performance Core (HPC) Click is a Rigid Core Click-and-Lock Vinyl Flooring Product that is manufactured in China and warranted for Light Commercial and Residential environments.

MANUFACTURER INFORMATION

MANUFACTURER: Novalis
ADDRESS: 200 Munketa Dr
 Dalton GA 30721, US
WEBSITE: www.novalis-intl.com

CONTACT NAME: Graham Capobianco
TITLE: Sustainability Manager, North America
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

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

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.