Novalis NovaLay LVT by Novalis

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: 06 53 13.00

PRODUCT DESCRIPTION: Novalis NovaLay LVT is manufactured with a fiberglass veil that allows it to be installed without any adhesive or mechanical locking system. It is the easiest LVT to install and it also removes the health and safety worry associated using flooring adhesive. The LLT system allows simple removal of used LVT flooring so they can be easily reclaimed back and then reuse, repurpose or recycle into new Novalis LVT.

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

Are All Substances Above the Threshold Indicated:

Characterized ◉ Yes ○ No

Percent Weight and Role Provided?

Screened ○ Yes ◉ No

Using Priority Hazard Lists with Results Disclosed?

Identified ○ Yes ◉ No

Name and Identifier Provided?

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 NOVALAY LVT [CALCIUM CARBONATE BM-3 POLYVINYL CHLORIDE (PVC) LT-P1 | RES OCTDECANEOIC ACID Not Screened BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3 MAGNESIUM HYDROXIDE BM-3 EPOXIDIZED SOYBEAN OIL LT-UNK CALCIUM STEARATE LT-UNK ZINC STEARATE LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE (CONTINUOUS FILAMENT GLASS FIBER) LT-UNK CARBON BLACK LT-1 | CAN EPOXY RESIN Not Screened TITANIUM DIOXIDE LT-1 | CAN | END 1,6-HEXANEDIOL DIACRYLATE LT-P1 | SKI | EYE | MUL DIPROPYLENE GLYCOL DIACRYLATE LT-UNK 2-(METHACRYLOYLOXY)ETHANOL LT-UNK | SKI | EYE TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK | RES | CAN | SKI | EYE TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | AQU | SKI | EYE | MUL 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK 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 DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL]

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

As per the substances' CAS numbers, Octadecaneoic 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.

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

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- ○ Yes

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-11-13
PUBLISHED DATE: 2018-11-13
EXPIRY DATE: 2021-11-13

No

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

NOVALIS NOVALAY LVT

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: None

CALCIUM CARBONATE

ID: 471-34-1

%: 55.2800 - 55.2800 GS: BM-3 RC: None NANO: No ROLE: Filler

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Main content

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 27.1600 - 27.1600 GS: LT-P1 RC: None NANO: No ROLE: main content

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: main content

OCTDECANEOIC ACID

ID: Not Registered

%: 10.3200 - 10.3200 GS: Not Screened RC: None NANO: No ROLE: Plasticizer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Plasticizer

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

%: 2.8300 - 2.8300 GS: BM-3 RC: None NANO: No ROLE: plasticizer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: plasticizer

MAGNESIUM HYDROXIDE

ID: 1309-42-8

%: 1.8800 - 1.8800 GS: BM-3 RC: None NANO: No ROLE: smoke retardant

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: smoke retardant

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

%: 0.9500 - 0.9500 GS: LT-UNK RC: None NANO: No ROLE: Filler

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Filler

CALCIUM STEARATE

ID: 1592-23-0

%: 0.4900 - 0.4900 GS: LT-UNK RC: None NANO: No ROLE: stabilizer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: stabilizer

ZINC STEARATE

ID: 557-05-1

%: 0.4000 - 0.4000 GS: LT-UNK RC: None NANO: No ROLE: stabilizer

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: stabilizer

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE (CONTINUOUS FILAMENT GLASS FIBER)

ID: 65997-17-3

%: 0.3600 - 0.3600 GS: LT-UNK RC: None NANO: No ROLE: glass fiber

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: glass fiber

CARBON BLACK

ID: 1333-86-4

%: 0.1000 - 0.1000 GS: LT-1 RC: None NANO: No ROLE: pigment

HAZARDS:	AGENCY(IES) WITH 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: pigment

EPOXY RESIN

ID: Not Registered

%: 0.0600 - 0.0600 GS: Not Screened RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: PU coating

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0500 - 0.0500 GS: LT-1 RC: None NANO: No ROLE: print film opacity

HAZARDS:	AGENCY(IES) WITH 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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: print film opacity

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

%: 0.0300 - 0.0300 GS: LT-P1 RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH 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: PU coating

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

%: 0.0200 - 0.0200 GS: LT-UNK RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: PU coating

2-(METHACRYLOYLOXY)ETHANOL

ID: 868-77-9

%: 0.0200 - 0.0200 GS: LT-UNK RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH 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: PU coating

TRIMETHYLOLPROPANE TRIACRYLATE

ID: 15625-89-5

%: 0.0200 - 0.0200 GS: LT-UNK RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH 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: PU coating

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

%: 0.0200 - 0.0200 GS: LT-P1 RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH 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: PU coating

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

ID: 7473-98-5

%: 0.0100 - 0.0100 GS: LT-UNK RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: PU coating

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

%: 0.0100 - 0.0100 GS: LT-P1 RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: PU coating

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

ID: 75980-60-8

%: 0.0100 - 0.0100 GS: LT-P1 RC: None NANO: No ROLE: PU coating

HAZARDS:	AGENCY(IES) WITH 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: PU coating

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: school classroom and private office parameters
CERTIFICATE URL:
https://www.scsglobalservices.com

ISSUE DATE: 2018-05-01

EXPIRY DATE: 2019-04-30

CERTIFIER OR LAB: SCS Global services

CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS — **UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: school office public place and hospitals
CERTIFICATE URL:

ISSUE DATE: 2017-11-03

EXPIRY DATE: 2019-11-03

CERTIFIER OR LAB: UL

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 NovaLay LVT is manufactured with a fiberglass veil that allows it to be installed without any adhesive or mechanical locking system. It is the easiest LVT to install and it also removes the health and safety worry associated using flooring adhesive. The LLT system allows simple removal of used LVT flooring so they can be easily reclaimed back and then reuse, repurpose or recycle into new Novalis LVT.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Novalis**
ADDRESS: **No. 63 Guangyuan Road ,Dantu Industrial Zone**
Zhenjiang Jiang Su 212131, China
WEBSITE: **http://www.novalis-intl.com**

CONTACT NAME: **Jane Chen**
TITLE: **Product**
PHONE: **18951286965**
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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 (insuficient 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.