

Name Novalis LLT



Product ID Novalis LLT Classification 06 53 13.00 Wood, Plastics, and Composites (framing): Solid Plastic Decking

Website www.novalis-intl.com

Manufacturer Address: Novalis Innovative Flooring, No. 63 Guangyuan Road, Dantu Industrial Zone, Zhenjiang, Jiangsu 212131, China. Contact Name: Jane Chen, Title: Product assistant, Phone: 18951286965, Email: jane.chen@novalis.cn

Description: Novalis LLT is one of the most sustainable LVT in the market. Manufactured with the best in class processes and practices, Novalis' ISO14001 certified manufacturing facility is the winner of the 2014 Floor Covering Weekly GreenStep Asia Green Process award at Domotex Asia/China Floor. Novalis LVT is made with over 50% Calcium Carbonate (aka limestone, a globally abundant resource), virgin PVC resin or Novalis post-consumer reclaimed LVT to ensure the product contains the cleanest and only known ingredients. Novalis meets the most stringent indoor air quality and emission standards of the world and is USA FloorScore certified, France A+ certified, and Germany DIBT certified amongst others. Different from Novalis LVT, Novalis LLT 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 with using flooring adhesive. The LLT system allows simple removal of used LVT flooring so they can be easily reclaimed back and then reused, repurposed or recycled into new Novalis LVT.

Release Date: 2016-06-07, Expiry Date: 2019-06-07, HPD URL: https://builder.hpd-collaborative.org/uploads/files/hpds/394/4065-20160607215516.pdf. Self-declared, Second Party, Third Party, Certifier, Certificate #.

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal) [checked], Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other. Full Disclosure of Intentional Ingredients: Yes [unchecked], No [checked]. Full Disclosure of Known Hazards: Yes [unchecked], No [checked]. Disclosure Notes: no residual content.

Contents in Descending Order of Quantity

CALCIUM CARBONATE, POLYVINYL CHLORIDE (PVC), Undisclosed (chloro methoxy fat diethylene glycol dinitrate), Bis(2-ethylhexyl) terephthalate, MAGNESIUM HYDROXIDE, EPOXIDIZED SOYBEAN OIL, CALCIUM STEARATE, ZINC STEARATE, GLASS / MINERAL FIBER, CARBON BLACK, Undisclosed (polyurethane acrylate), Titanium dioxide, 1,6-Hexanediol diacrylate, Dipropylene glycol diacrylate, Tripropylene glycol diacrylate, TRIMETHYLOLPROPANE TRIACRYLATE, 2-(METHACRYLOYLOXY)ETHANOL, 1-Propanone, 2-hydroxy-2-methyl-1-phenyl-, diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, poly(oxy(methyl-1,2-ethanediyl)), alpha, alpha'-(2,2-dimethyl-1,3-propanediyl)bis(omega-((1-oxo-2-propen-1-yl)oxy)-

Hazards: PBT (Persistent Bioaccumulative Toxic) [unchecked], Cancer [checked], Gene Mutation [unchecked], Development [unchecked], Reproductive [checked], Endocrine [unchecked], Respiratory [checked], Neurotoxicity [unchecked], Mammal [unchecked], Skin or Eye [checked], Aquatic toxicity [checked], Land toxicity [unchecked], Physical hazard [checked], Global warming [unchecked], Ozone depletion [unchecked], Multiple [checked], Unknown [checked]. Highest concern GreenScreen score - List Translator Benchmark 1.

Total VOC Content

Material (g/L) N/A  
Regulatory (g/L) N/A

Does the product contain exempt VOCs?  
Are there VOC-free tints available?

N/A     Yes     No  
 N/A     Yes     No

Notes

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**Certifications + Compliance**

VOC Emissions FloorScore  
Multi-attribute FloorScore

VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
<b>CALCIUM CARBONATE</b>	471-34-1	55.28 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
confidential formula						
<b>POLYVINYL CHLORIDE (PVC)</b>	9002-86-2	27.16 %	LT-U	N	N	PVC,main content
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
confidential formula						
<b>Undisclosed (chloro methoxy fat diethylene glycol dinitrate)</b>	Unknown	10.32 %		N	N	Plasticizer
Unknown	Not disclosed					
new enviromental plasticizer,not registered						
<b>Bis(2-ethylhexyl) terephthalate</b>	6422-86-2	2.83 %	3	N	N	Plasticizer
None found	No warnings found on HPD Priority lists					
<b>MAGNESIUM HYDROXIDE</b>	1309-42-8	1.88 %	3	U	U	smoke retardant
None found	No warnings found on HPD Priority lists					

<b>EPOXIDIZED SOYBEAN OIL</b>	8013-07-8	0.95 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
confidential formula						
<b>CALCIUM STEARATE</b>	1592-23-0	0.49 %	LT-U	N	N	Stabiliser
None found	No warnings found on HPD Priority lists					
confidential formula						
<b>ZINC STEARATE</b>	557-05-1	0.4 %	LT-U	N	N	Stabiliser
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
confidential formula						
<b>GLASS / MINERAL FIBER</b>	65997-17-3	0.36 %	LT-U	U	U	glass fiber
None found	No warnings found on HPD Priority lists					
<b>CARBON BLACK</b>	1333-86-4	0.1 %	LT-1	N	N	Pigment
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
confidential formula						
<b>Undisclosed (polyurethane acrylate)</b>	Unknown	0.06 %		N	N	PU coating
Unknown	Not disclosed					
no CAS #						
<b>Titanium dioxide</b>	13463-67-7	0.05 %	LT-1	U	U	Print film opacity
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
<b>1,6-Hexanediol diacrylate</b>	13048-33-4	0.03 %	LT-P1	N	N	PU coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>Dipropylene glycol diacrylate</b>	57472-68-1	0.02 %	LT-P1	N	N	PU coating
MULTIPLE	VwVwS: Class 2 Hazard to Waters					

<b>Tripropylene glycol diacrylate</b>	42978-66-5	0.02 %	LT-P1	N	N	PU coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>TRIMETHYLOLPROPANE TRIACRYLATE</b>	15625-89-5	0.02 %	LT-U	N	N	PU coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
<b>2-(METHACRYLOYLOXY)ETHANOL</b>	868-77-9	0.02 %	LT-U	N	N	PU coating
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)					
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
<b>1-Propanone, 2-hydroxy-2-methyl-1-phenyl-</b>	7473-98-5	0.01 %	LT-U	N	N	PU coating
None found	No warnings found on HPD Priority lists					
<b>diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide</b>	75980-60-8	0.01 %	LT-P1	N	N	PU coating
REPRODUCTIVE	EU H-Statements: H361f Suspected of damaging fertility					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>poly(oxy(methyl-1,2-ethanediyl)), alpha,alpha'-(2,2-dimethyl-1,3-propanediyl)bis(omega-((1-oxo-2-propen-1-yl)oxy)-</b>	84170-74-1	0.01 %	LT-P1	N	N	PU coating
MULTIPLE	VwVwS: Class 2 Hazard to Waters					

**CERTIFICATIONS AND COMPLIANCE**

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	FloorScore			SCS Global Services for Resilient Floor Covering Institute (RFCI)
	3rd party independent certification	2016-06-01	2017-04-30	<a href="https://builder.hpd-collaborative.org/uploads/files/certifications/394/1465348991.pdf">https://builder.hpd-collaborative.org/uploads/files/certifications/394/1465348991.pdf</a>
	school classroom and private office parameters			
VOC Content	N/A			
Recycled Content	Not tested			
Multi-attribute	FloorScore			SCS Global Services for Resilient Floor Covering Institute (RFCI)
	3rd party independent certification	2016-06-01	2017-04-30	<a href="https://builder.hpd-collaborative.org/uploads/files/certifications/394/1465348991.pdf">https://builder.hpd-collaborative.org/uploads/files/certifications/394/1465348991.pdf</a>
	school classroom and private office parameters			

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	

**NOTES**

Chloro methoxy fat diethylene glycol dinitrate is a type of new environmental plasticizer, not registered