

Name

Structures in glued-laminated timber

Product ID

Website

www.artmassif.ca

Manufacturer Address

Art Massif Wood Structure
909 Côte Saint Aubert
Saint-Jean-Port-Joli, QC G0R 3G0
Canada

Classification

06 18 00.00 Wood, Plastics, and Composites (framing): Glued-Laminated Construction

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Description

This HPD covers Art Massif's structures made of glued-laminated timber, which includes: beams (in glued-laminated timber), columns (in glued-laminated timber), steel connectors (galvanized), screws (steel), and wood finishes.

1.0

Health Product
DECLARATION

Release Date

2016-05-18

Expiry Date

2019-05-18

HPD URL

<https://builder.hpd-collaborative.org/uploads/files/hpds/1520/4312-20160518164400.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)

☒ Measured 1000 ppm

☐ Predicted by process chemistry

☐ As per MSDS (1,000 & 10,000 ppm)

☐ Not disclosed

☐ Other

Full Disclosure of Intentional Ingredients

☐ Yes

☐ No

Full Disclosure of Known Hazards

☒ Yes

☐ No

Disclosure Notes

Contents in Descending Order of Quantity

Spruce , POLYURETHANE , Steel , Dipropylene glycol monomethyl ether , NAPHTHA, PETROLEUM, HEAVY ALKYLATE , Ammonium hydroxide , 3-IODO-2-PROPYNYL BUTYLCARBAMATE , DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB) , PROPYLENE GLYCOL , Dipropylene glycol monomethyl ether , ZINC , SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC

Hazards

☐ PBT (Persistent Bioaccumulative Toxic)

☒ Cancer

☒ Gene Mutation

☐ Development

☐ Reproductive

☐ Endocrine

☒ Respiratory

Highest concern GreenScreen score - List Translator Benchmark 1

☐ Neurotoxicity

☒ Mammal

☒ Skin or Eye

☒ Aquatic toxicity

☐ Land toxicity

☒ Physical hazard

☐ Global warming

☐ Ozone depletion

☒ Multiple

☐ Unknown

Total VOC Content

Material (g/L)

N/A

Regulatory (g/L)

N/A

Does the product contain exempt VOCs?

☒ N/A

☐ Yes

☐ No

Are there VOC-free tints available?

☒ N/A

☐ Yes

☐ No

Notes

Certifications + Compliance

VOC Emissions

Not tested

Sustainable forestry

Forest Stewardship Council (FSC) - Chain of Custody (COC)

VOC Content

N/A

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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.

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.
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						
Spruce		91.4 - 94.3 %		N	N	Main material
None found	No warnings found on HPD Priority lists					
The weight ratio of wood may vary depending on the weight ratio of steel connectors in the structure design. Separately, the weight ratio of wood and laminating adhesives, in glued-laminated beams and columns, is constant.						
POLYURETHANE	64440-88-6	3.6 - 3.7 %	LT-U	N	N	Laminating adhesives
None found	No warnings found on HPD Priority lists					
The weight ratio of polyurethane adhesives may vary depending on the weight ratio of steel connectors in the structure design. Separately, the weight ratio of wood and laminating adhesives, in glued-laminated beams and columns, is constant.						
Steel	12597-69-2	2 - 5 %		PC	N	Steel connectors and screws
None found	No warnings found on HPD Priority lists					
The weight ratio of steel connectors may vary depending on the structure design. Steel connectors may undergo a hot-dip galvanizing process occasionally, but cold galvanization applies in the majority of cases.						
Dipropylene glycol monomethyl ether	34590-94-8	R	LT-U			Additive - Reactive
None found	No warnings found on HPD Priority lists					
Clear wood finish - Exterior type: Ingredient #1. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
NAPHTHA, PETROLEUM, HEAVY ALKYLATE	64741-65-7	R	LT-1			Additive - Reactive
CANCER	EU CMR (1): Carcinogen Category 2 - Substances which should be regarded as if they are carcinogenic to man					

	(also in EU R-Phrases, EU H-Statements, EU CMR (2))					
GENE MUTATION	EU R-Phrases: R46: May cause heritable genetic damage. (also in EU H-Statements, EU CMR (1), EU CMR (2))					
MAMMALIAN	EU H-Statements: H304: May be fatal if swallowed and enters airways					
Clear wood finish - Exterior type: Ingredient #2. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
Ammonium hydroxide	1336-21-6	R	LT-P1			Additive - Reactive
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Clear wood finish - Exterior type: Ingredient #3. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
3-IODO-2-PROPYNYL BUTYLCARBAMATE	55406-53-6	R	LT-P1			Additive - Reactive
SKIN SENSITIZE	MAK: Sensitizing Substance Sh - Danger of skin sensitization					
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					
Clear wood finish - Exterior type: Ingredient #4. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB)	29911-28-2	R	LT-U			Additive - Reactive
None found	No warnings found on HPD Priority lists					
Clear wood finish - Interior type type: Ingredient #1. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
PROPYLENE GLYCOL	57-55-6	R	LT-U			Additive - Reactive
None found	No warnings found on HPD Priority lists					
Clear wood finish - Interior type type: Ingredient #2. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
Dipropylene glycol monomethyl ether	34590-94-8	R	LT-U			Additive - Reactive
None found	No warnings found on HPD Priority lists					
Clear wood finish - Interior type type: Ingredient #3. The weight ratio of clear wood finishes is negligible in such wood based structures (inferior to 0.01 weight%).						
ZINC	7440-66-6	R	LT-P1			Additive - Non-reactive
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
FLAMMABLE	EU H-Statements: H250 Catches fire spontaneously if exposed to air					
REACTIVE	EU H-Statements: H260 In contact with water releases flammable gases which may ignite spontaneously					
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					

Cold galvanization for steel connectors: Main ingredient. The weight ratio of cold galvanization is negligible in such wood based structures (inferior to 0.01 weight%).						
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	R	LT-1			Additive - Non-reactive
CANCER	EU CMR (1): Carcinogen Category 2 - Substances which should be regarded as if they are carcinogenic to man (also in EU R-Phrases, EU H-Statements, EU CMR (2))					
GENE MUTATION	EU R-Phrases: R46: May cause heritable genetic damage. (also in EU H-Statements, EU CMR (1), EU CMR (2))					
MAMMALIAN	EU H-Statements: H304: May be fatal if swallowed and enters airways					
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant)					
Cold galvanization for steel connectors: solvent. The weight ratio of cold galvanization is negligible in such wood based structures (inferior to 0.01 weight%).						

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	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Sustainable forestry	Forest Stewardship Council (FSC) - Chain of Custody (COC)			SGS Qualifor
	3rd party independent certification	2014-07-20	2019-07-19	info.fsc.org/details.php?id=a024000000OS7h9AAD&type=certificate&return=certificate.php
	All			

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
Condition when required or recommended and/or other notes	

NOTES

Art Massif's Glued-laminated timber structures have different configurations, that are: -2 types of wood finishes: one for interior applications and one for exterior applications -2 types of galvanizing process for steel connectors (to prevent corrosion): cold galvanizing process (similar to paint) that is used most of the time, and occasionally, hot-dip galvanizing process. Hot-dip galvanizing process is applying zinc onto the steel plate surface by dipping the plate into molten zinc.