Class: 06 18 00 00 Glued-Laminated Construction

Product Description: Nordic Lam is a structural glued laminated timber made from Black Spruce species. It is used as beams, headers, rafters, purlins, columns, studs and decking. Nordic Lam products are cost effective and highly versatile, and are manufactured in a variety of standards widths and depths as well as in custom dimensions.

Section 1: Summary

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Residuals/Impurities
- Residuals/Impurities Considered in 1 of 4 Materials

Are All Substances Above the Threshold Indicated:
- Yes
- No

Characterized
- Percent Weight and Role Provided?
- Yes
- No

Screened
- Using Priority Hazard Lists with Results Disclosed?
- Yes
- No

Identified
- Name and Identifier Provided?
- Yes
- No

Inventory and Screening Notes:
This HPD has been prepared considering a Nested Materials Inventory with a "Per Product" threshold of 1,000 ppm. Wood and all adhesives are Special Conditions Materials (biological material and reaction products) and are present in the product. Guidelines for reporting Special Conditions materials are still under development by HPDC, Nordic Structures will update the HPD accordingly once these guidelines get published.

VOC Emissions:
- CDPH Standard Method v1.1 - Not tested

Sustainable Forestry:
- FSC Certification - Chain of Custody (COC)

LCA:
- Environmental Product Declaration (EPD) by UL - Industry Generic

Other:
- APA Green Verification Report

Consistency with Other Programs:
- No pre-checks completed or disclosed
Third Party Verified? | Yes
---|---
No
Preparer: Self-Prepared
Verifier: Vertima
Verification #: Ute-3552
Screening Date: 2018-01-25
Published Date: 2018-01-25
Expiry Date: 2021-01-25
## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### WOOD

<table>
<thead>
<tr>
<th>%: 96.0000</th>
<th>HPD URL: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 1000 ppm</td>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong> Yes</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> No residuals and impurities for that material.</td>
<td><strong>OTHER MATERIAL NOTES:</strong> Structural component.</td>
</tr>
</tbody>
</table>

### BLACK SPRUCE (BLACK SPRUCE)

<table>
<thead>
<tr>
<th>%: 100.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Main component</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td><strong>AGENCY(IES) WITH WARNINGS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong> Structural main component.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ADHESIVE #2

<table>
<thead>
<tr>
<th>%: 3.4000</th>
<th>HPD URL: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong> 1000 ppm</td>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong> No</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong> No information regarding impurities and residuals was found and/or was available for that material.</td>
<td><strong>OTHER MATERIAL NOTES:</strong> Latex polymer emulsion adhesive. Adhesive used for finger-joints, face and edge bonding, beam presses.</td>
</tr>
</tbody>
</table>

### STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR))

<table>
<thead>
<tr>
<th>%: 40.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Latex component</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td><strong>AGENCY(IES) WITH WARNINGS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUBSTANCE NOTES:</strong> Adhesive component.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

<table>
<thead>
<tr>
<th>%: 20.0000 - 30.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Adhesive component</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td><strong>AGENCY(IES) WITH WARNINGS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>ID</td>
<td>%</td>
<td>GS</td>
<td>RC</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>16.0000</td>
<td>BM-4</td>
<td>None</td>
</tr>
<tr>
<td>Polyurethane</td>
<td>64440-88-6</td>
<td>10.0000 - 30.0000</td>
<td>LT-UNK</td>
<td>None</td>
</tr>
<tr>
<td>Poly(vinyl alcohol)</td>
<td>9002-89-5</td>
<td>10.0000</td>
<td>LT-UNK</td>
<td>None</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.1000 - 1.0000</td>
<td>LT-1</td>
<td>None</td>
</tr>
</tbody>
</table>

**Hazard Notes**

- **Water**: Used in adhesive composition.
- **Polyurethane**: Adhesive component.
- **Poly(vinyl alcohol)**: PVOH used as an adhesive component.
- **Toluene**: Adhesive component.
### Mammalian EU - GHS (H-Statements)
- H304 - May be fatal if swallowed and enters airways

### Skin Irritation EU - GHS (H-Statements)
- H315 - Causes skin irritation

### Developmental EU - GHS (H-Statements)
- H361d - Suspected of damaging the unborn child

### Endocrine TEDX - Potential Endocrine Disruptors
- Potential Endocrine Disruptor

### Multiple
- German FEA - Substances Hazardous to Waters
  - Class 2 - Hazard to Waters

### Reproductive Japan - GHS
- Toxic to reproduction - Category 1A

### Organ Toxicant EU - R-phrases
- R48 - Danger of serious damage to health by prolonged exposure.

### Physical Hazard (Reactive) EU - GHS (H-Statements)
- H225 - Highly flammable liquid and vapour

## Substance Notes:
- Adhesive component

### (((CARBOXYMETHYL)IMINO)BIS(ETHYLENENITRILO))TETRAACETIC ACID, PENTASODIUM SALT
- **ID:** 140-01-2

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Adhesive component</th>
</tr>
</thead>
</table>

---

### SILICA, CHRISTOBALITE (SILICA, CHRISTOBALITE)
- **ID:** 14464-46-1

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Adhesive component</th>
</tr>
</thead>
</table>

---

## Substance Notes:
- Adhesive component

---

Nordic Lam

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**TRIBUTYL PHOSPHATE**

| %: 0.1000 - 1.0000 | GS: LT-P1 | RC: None | NANO: No | ROLE: Adhesive component |

**HAZARDS:**

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAMMALIAN</td>
<td>EU - R-phrases</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - R-phrases</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - R-phrases</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Adhesive component

---

**ADHESIVE #5**

| %: 0.4000 | HPD URL: N/A |

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** No information regarding impurities and residuals was found and/or was available for that material.

**OTHER MATERIAL NOTES:** Crosslinking agent, used in combination with adhesive #2. Adhesive used for face and edge bonding, beam presses.

---

**POLYMERIC MDI (PMDI)**

| %: 50.0000 - 60.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Adhesive component |

**HAZARDS:**

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>US EPA - PPT Chemical Action Plans</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Adhesive component.
METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

ID: 101-68-8

%: 40.0000 - 50.0000

GB: LT-UNK

RC: None
NANO: No
ROLE: Adhesive component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN
EU - R-phrases
R20 - Harmful by Inhalation (gas or vapor or dust/mist)

EYE IRRITATION
EU - R-phrases
R36 - Irritating to eyes

SKIN IRRITATION
EU - R-phrases
R38 - Irritating to skin

CANCER
EU - R-phrases
R40 - Limited Evidence of Carcinogenic Effects

RESPIRATORY
EU - R-phrases
R42 - May cause sensitization by inhalation

SKIN SENSITIZE
EU - R-phrases
R43 - May cause sensitization by skin contact

RESPIRATORY
AOEC - Asthmagens
Asthmagen (G) - generally accepted

RESTRICTED LIST
US EPA - PPT Chemical Action Plans
EPA Chemical of Concern - Action Plan published

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

RESPIRATORY
EU - GHS (H-Statements)
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

CANCER
EU - GHS (H-Statements)
H351 - Suspected of causing cancer

RESPIRATORY
US EPA - PPT Chemical Action Plans
Inhalation sensitizer causing asthma and lung damage

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

RESPIRATORY
MAK
Sensitizing Substance Sah - Danger of airway & skin sensitization

ORGAN TOXICANT
EU - R-phrases
R48 - Danger of serious damage to health by prolonged exposure.

SUBSTANCE NOTES: Adhesive component.

DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC (DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC)

ID: 26447-40-5

%: 5.0000 - 10.0000

GB: LT-UNK

RC: None
NANO: No
ROLE: Adhesive component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN
EU - R-phrases
R20 - Harmful by Inhalation (gas or vapor or dust/mist)

EYE IRRITATION
EU - R-phrases
R36 - Irritating to eyes

SKIN IRRITATION
EU - R-phrases
R38 - Irritating to skin

CANCER
EU - R-phrases
R40 - Limited Evidence of Carcinogenic Effects
### RESPIRATORY EU - R-phrases
- R42 - May cause sensitization by inhalation

### SKIN SENSITIZE EU - R-phrases
- R43 - May cause sensitization by skin contact

### RESTRICTED LIST US EPA - PPT Chemical Action Plans
- EPA Chemical of Concern - Action Plan published

### 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

### RESPIRATORY EU - GHS (H-Statements)
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

### CANCER EU - GHS (H-Statements)
- H351 - Suspected of causing cancer

### RESPIRATORY US EPA - PPT Chemical Action Plans
- Inhalation sensitizer causing asthma and lung damage

### ORGAN TOXICANT EU - R-phrases
- R48 - Danger of serious damage to health by prolonged exposure.

### SUBSTANCE NOTES:
- Adhesive component.

### ADHESIVE #4

<table>
<thead>
<tr>
<th>%:</th>
<th>0.3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPD URL:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD:</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
<td>No</td>
</tr>
</tbody>
</table>

| RESIDUALS AND IMPURITIES NOTES: | No information regarding impurities and residuals was found and/or was available for that material. |

| OTHER MATERIAL NOTES: | Adhesive used for finger joints bonding. Adhesive used in combination with adhesive #2. |

### POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))

| %: 20.0000 - 30.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Adhesive component |

<table>
<thead>
<tr>
<th>HAZARDS:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RESPIRATORY AOEC - Asthmagens</th>
<th>Asthmagen (G) - generally accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY US EPA - PPT Chemical Action Plans</td>
<td>Inhalation sensitizer causing asthma and lung damage</td>
</tr>
<tr>
<td>CANCER MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
<tr>
<td>RESPIRATORY MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: | Adhesive component. |

### METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))

| %: 20.0000 - 30.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Adhesive component |

<table>
<thead>
<tr>
<th>HAZARDS:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RESPIRATORY AOEC - Asthmagens</th>
<th>Asthmagen (G) - generally accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY US EPA - PPT Chemical Action Plans</td>
<td>Inhalation sensitizer causing asthma and lung damage</td>
</tr>
<tr>
<td>CANCER MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
<tr>
<td>RESPIRATORY MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: | Adhesive component. |
HAZARDS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRITATION

EU - R-phrases

R38 - Irritating to skin

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

RESPIRATORY

EU - R-phrases

R42 - May cause sensitization by inhalation

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

RESPIRATORY

AOEC - Asthmagens

Ashmagen (G) - generally accepted

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

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

RESPIRATORY

EU - GHS (H-Statements)

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

RESPIRATORY

US EPA - PPT Chemical Action Plans

Inhalation sensitizer causing asthma and lung damage

CANCER

MAK

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

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

ORGAN TOXICANT

EU - R-phrases

R48 - Danger of serious damage to health by prolonged exposure

SUBSTANCE NOTES:

Adhesive component.

DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC (DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC)

ID: 26447-40-5

%: 10.0000 - 15.0000

GB: LT-UNK

RC: None

NANO: No

ROLE: Adhesive component

HAZARDS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRITATION

EU - R-phrases

R38 - Irritating to skin

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

RESPIRATORY

EU - R-phrases

R42 - May cause sensitization by inhalation

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published
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

**CDPH Standard Method v1.1 - Not tested**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

### SUSTAINABLE FORESTRY

**FSC Certification - Chain of Custody (COC)**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="http://nordic.ca/data/files/datasheet/file/CCL_NordicStructuresFSCCoCcertIN-2016-1ENG.pdf">http://nordic.ca/data/files/datasheet/file/CCL_NordicStructuresFSCCoCcertIN-2016-1ENG.pdf</a></td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Chantiers Chibougamau Ltée and Nordic Structures are certified for the Single Chain of Custody and Controlled Wood for sustainable forestry practices. Products included in certificate scope are : planks; woodchips and sawdust; Footing, Glued-laminated, Isolated stud, cross-laminated timber, Joist; Oriented Strand Board (OSB); Softwood lumber.</td>
</tr>
</tbody>
</table>

### LCA

**Environmental Product Declaration (EPD) by UL - Industry Generic**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All.</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>Type III environmental product declaration for cross-laminated timber and glulam Nordic Lam hpdrepository.hpd-collaborative.org</td>
</tr>
</tbody>
</table>
manufactured at Nordic Structures developed according to PCR for North American Structural and Architectural Wood Products (FPInnovations, November 2011).

### APA Green Verification Report

**CERTIFYING PARTY:** Second Party  
**APPLICABLE FACILITIES:** All.  
**CERTIFICATE URL:** http://nordic.ca/data/files/datasheet/file/APAGR-L306NordicX-LamCLT.pdf  
**CERTIFICATION AND COMPLIANCE NOTES:** Certificate for points toward National Green Building Standard ICC 700 and Leadership in Energy and Environmental Design (LEED) Certification.

### NAHB ICC 700 NGBS Green Certified Product

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** All.  
**CERTIFICATE URL:**  
**CERTIFICATION AND COMPLIANCE NOTES:** Certificate for points toward NGBS Green Certification to the ICC 700 National Green Building Standard.

### ILFI Declare - Red List Free - Third Party Verified

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** All.  
**CERTIFICATE URL:** http://nordic.ca/data/files/datasheet/file/NWP-3003_170118.jpeg  
**CERTIFICATION AND COMPLIANCE NOTES:** LBC Red List Free Declare certification.

### Formaldehyde Emissions

**CERTIFYING PARTY:** Second Party  
**APPLICABLE FACILITIES:** All.  
**CERTIFICATE URL:** http://nordic.ca/data/files/datasheet/file/APAPR-E740.pdf  
**CERTIFICATION AND COMPLIANCE NOTES:** Certificate for low formaldehyde emission level disclosure.

### 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
Section 5: General Notes

No residuals and impurities for wood material. No residuals and impurities for post-manufacture state for adhésives.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Nordic Structures
ADDRESS: 504-1100, Avenue des Canadiens-de-Montréal, Montréal Québec H3B 2S2, Canada
WEBSITE: www.nordic.ca

CONTACT NAME: Julie Frappier
TITLE: Director, Technical Services
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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 (insufficient 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
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.