

CLASSIFICATION: 096429

created via: HPDC Online Builder

PRODUCT DESCRIPTION: ENGINEERED HARDWOOD FLOORING ON A PLYWOOD SUBSTRATE. WOOD SPECIES USED AS A BASELINE SCENARIO FOR THIS PRODUCT IS MAPLE. BOTH NATURAL AND STAINED FLOORING HAVE BEEN CONSIDERED IN THE SCOPE OF THIS HPD.

 **Section 1: Summary**

**CONTENT  
INVENTORY**

- Threshold per material
- 100 ppm
  - 1,000 ppm
  - Per GHS SDS
  - Per OSHA MSDS
  - Other

- Residuals and impurities considered in 10 of 10 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

- |   |                                  |                       |
|---|----------------------------------|-----------------------|
| Characterized.....  | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances?                    | Yes                              | No                    |
| Screened.....   | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes                              | No                    |
| Identified.....   | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier?      | Yes                              | No                    |

## 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

PLYWOOD [ DOUGLAS FIR UNK PHENOL FORMALDEHYDE LT-UNK ] MAPLE [ SUGAR MAPLE UNK ] FINISH: LAYER 1 [ 1,4-BUTANEDIYLBIS(OXY(2-HYDROXY-3,1-PROPANEDIYL) DIACRYLATE LT-P1 | MUL ACRYLATES UNK TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL SILICA, AMORPHOUS LT-UNK 2-(2'-HYDROXY-5'-METHYLPHENYL)BENZOTRIAZOLE LT-UNK DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL ] FINISH: LAYER 2 [ BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL ] FINISH: LAYER 3 [ TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL DIPROPYLENE GLYCOL DIACRYLATE LT-P1 | MUL TALC LT-UNK | CAN BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK SILICA, AMORPHOUS LT-UNK DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL ] FINISH: LAYER 4 [ BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL SILICA, AMORPHOUS LT-UNK URETHANE DIMETHACRYLATE LT-UNK DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL ] EPI ADHESIVE [ ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC LT-UNK | MAM | EYE | SKI | CAN | RES | MUL ] FINISH: LAYER 5 [ BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK 2-[[3-HYDROXY-2,2-BIS[[1-(1-OXOALLYL)OXY]METHYL]PROPOXY]METHYL]-2-[[1-(1-OXOALLYL)OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE LT-P1 | MUL DIPROPYLENE GLYCOL DIACRYLATE LT-P1 | MUL TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL ACRYLATES UNK ] FINISH: LAYER 6 [ DIPROPYLENE GLYCOL DIACRYLATE LT-P1 | MUL 2-[[3-HYDROXY-2,2-BIS[[1-(1-OXOALLYL)OXY]METHYL]PROPOXY]METHYL]-2-[[1-(1-OXOALLYL)OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE LT-P1 | MUL PENTAERYTHRITOL TETRAACRYLATE LT-UNK | EYE | SKI ACRYLATES UNK ETHYLENE/METHYL ACRYLATE RESIN LT-UNK PENTAERYTHRITOL TRIACRYLATE LT-UNK | EYE | SKI TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL ] UV STAIN [ TITANIUM DIOXIDE LT-1 | CAN TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL 1-ETHENYL-2-PYRROLIDINONE LT-1 | MAM | CAN | EYE DIPROPYLENE GLYCOL DIACRYLATE LT-UNK POLYURETHANE FOAMS LT-UNK ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE LT-UNK | SKI 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 CARBON BLACK LT-1 | CAN 2-BENZYL-2-DIMETHYLAMINO-4-MORPHOLINOBUTYROPHENONE LT-P1 | AQU | MUL ]

Number of Greenscreen BM-4/BM3 contents..... 0

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

Nanomaterial..... No

## INVENTORY AND SCREENING NOTES:

RESIDUALS / IMPURITIES: Lauzon flooring products do not contain impurities. They are essentially made of virgin wood. In applicable products, adhesives represent a very low portion of the final product weight. All of our finishes are UV curable polymers, and therefore, all liquid components are known to polymerize leaving no residuals. Finally, Lauzon flooring products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in our adhesives, at that level, have been disclosed.----- OPTIONAL FINISH: PURE GENIUS technology -/- Principle: PURE GENIUS is a light-activated, air-purifying agent made of titanium dioxide integrated into Lauzon's TITANIUM floor finish. Activated by natural and artificial light, it breaks down toxic contaminants on contact (formaldehyde and other pollutants present indoors) and transforms them into harmless molecules. -/- Ingredients and hazards: The technology is added to Lauzon's flooring in two layers. The first layer do not contain any harmful ingredient according to its OSHA MSDS. The second layer contains the following hazardous ingredients: Titanium dioxide 1-5w%, Ammonia 1-5 w%, Triethylamin <1%. The second layer contains the following hazard warnings: R statements: R11 - Highly flammable, R20 - Harmful by inhalation, R21 - Harmful in contact with skin, R22 - Harmful if swallowed, R34 - Causes burns, R35 - Causes severe burns, R50 - Very toxic to aquatic organisms. H statements: H225 – Highly flammable liquid and vapour, H302 – Harmful if swallowed, H312 – Harmful in contact with skin, H314 – Causes severe skin burns and eye damage, H332 – Harmful if inhaled, H400 – Very toxic to aquatic life. No PBT/vPvB evaluation. -/- Nanoparticles: contains TiO2.

## VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

## CERTIFICATIONS AND COMPLIANCE

Sustainable forestry: FSC

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: December 1, 2016	EXPIRY DATE*: December 1, 2019
<input checked="" type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: February 16, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### PLYWOOD

%: 62.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Plywood substrate. RESIDUAL: Formaldehyde (50-00-0) present at a level inferior to 0.4 ppm.

#### DOUGLAS FIR

ID:

%: 87.0000 - 95.0000

GS: UNK

RC: None

NANO: NO

ROLE: Veneer

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### PHENOL FORMALDEHYDE

ID: 9003-35-4

%: 5.0000 - 13.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binding agent

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: PF resin

### MAPLE

%: 37.0000

HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: Yes

Material Notes: Hardwood lamella

#### SUGAR MAPLE

ID:

%: 100.0000

GS: UNK

RC: None

NANO: NO

ROLE: See material notes

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: N/A

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes: Tie-coat

**1,4-BUTANEDIYLBIS[OXY(2-HYDROXY-3,1-PROPANEDIYL)] DIACRYLATE**

ID: 52408-42-1

%: 45.0000 - 55.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Acrylic resin

**ACRYLATES**

ID:

%: 10.0000 - 25.0000

GS: UNK

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for acrylic ester

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 6.0000 - 15.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

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 IRRITATION

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: Including approximate for polyester acrylate

**SILICA, AMORPHOUS**

ID: 7631-86-9

%: 5.0000 - 10.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Synthetic amorphous silica

**2-(2'-HYDROXY-5'-METHYLPHENYL)BENZOTRIAZOLE**

ID: 2440-22-4

%: 2.0000 - 10.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for modified hydroxyphenylbenzotriazole

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

ID: 75980-60-8

%: 0.1000 - 1.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

**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:

**FINISH: LAYER 2**

%: 0.0000 - 1.0000      HPD URL:

Inventory Threshold: Per OSHA MSDS      Residuals Considered: Yes

Material Notes: Sealant

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

ID: 55818-57-0

%: 45.0000 - 55.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for epoxy acrylate

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 25.0000 - 35.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

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 IRRITATION

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:

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

ID: 75980-60-8

%: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**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:

**FINISH: LAYER 3**

%: 0.0000 - 1.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes: Flat sealant

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

%: 25.0000 - 35.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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 IRRITATION	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:

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

%: 10.0000 - 25.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

TALC

ID: 14807-96-6

%: 10.0000 - 25.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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SUBSTANCE NOTES:

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

ID: 55818-57-0

%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for epoxy acrylate

**SILICA, AMORPHOUS**

ID: 7631-86-9

%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Synthetic amorphous silica

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

ID: 75980-60-8

%: 0.1000 - 1.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
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MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

**FINISH: LAYER 4**

%: 0.0000 - 1.0000 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes: Sealant

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

ID: 55818-57-0

%: 25.0000 - 35.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for epoxy acrylate



%: 15.0000 - 35.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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 IRRITATION	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: Including approximate for polyester acrylate

## 1,6-HEXANEDIOL DIACRYLATE

%: 10.0000 - 25.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	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:

SILICA, AMORPHOUS

ID: 7631-86-9

%: 5.0000 - 10.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Synthetic amorphous silica

URETHANE DIMETHACRYLATE

ID: 72869-86-4

%: 1.0000 - 5.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for aromatic urethane acrylate

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

ID: 75980-60-8

%: 0.1000 - 1.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

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:

EPI ADHESIVE

%: 0.0000 - 1.0000      HPD URL:

Inventory Threshold: Per OSHA MSDS      Residuals Considered: Yes

Material Notes: Contains 2 components

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: 50.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: Component 1

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

## POLYMERIC MDI (PMDI)

ID: 9016-87-9

%: 25.0000 - 37.5000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Component 2a

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagens (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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

## SUBSTANCE NOTES:

## DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC

ID: 26447-40-5

%: 12.5000 - 25.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Component 2b

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

## SUBSTANCE NOTES:

**FINISH: LAYER 5**

%: 0.0000 - 1.0000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: Yes

Material Notes: Varnish. Contains nanoparticles

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

ID: 55818-57-0

%: 25.0000 - 35.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for epoxy acrylate

**2-[[[3-HYDROXY-2,2-BIS[[[1-OXOALLYL)OXY]METHYL]PROPOXY]METHYL]-2-[[[1-OXOALLYL)OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE**

ID: 60506-81-2

%: 10.0000 - 25.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

**DIPROPYLENE GLYCOL DIACRYLATE**

ID: 57472-68-1

%: 10.0000 - 25.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 10.0000 - 25.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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 IRRITATION	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:

## ACRYLATES

ID:

%: 1.0000 - 5.0000	GS: UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for acrylic ester

**FINISH: LAYER 6**

%: 0.0000 - 1.0000 HPD URL:

Inventory Threshold: Per OSHA MSDS Residuals Considered: Yes

Material Notes: Top-coat, flat (20°)

## DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

%: 25.0000 - 35.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MULTIPLE

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

SUBSTANCE NOTES:

%: 10.0000 - 25.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MULTIPLE      German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters

SUBSTANCE NOTES:

**PENTAERYTHRITOL TETRAACRYLATE**

ID: 4986-89-4

%: 5.0000 - 10.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES:

**ACRYLATES**

ID:

%: 1.0000 - 5.0000      GS: UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for acrylic ester

**ETHYLENE/METHYL ACRYLATE RESIN**

ID: 25103-74-6

%: 1.0000 - 5.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximate for acrylate resin

**PENTAERYTHRITOL TRIACRYLATE**

ID: 3524-68-3

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	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:

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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 IRRITATION	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:

**UV STAIN**

%: 0.0000 - 1.0000

HPD URL:

Inventory Threshold: Per OSHA MSDS

Residuals Considered: Yes

Material Notes: Alternate material to "Finish Layer 1: Tie Coat" in stained flooring product. Includes variation in composition of all stains.

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: 0.0000 - 25.0000

GS: LT-1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen (form-specific or based on limited exposure pathways)

CANCER

IARC

Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 25%.

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 0.0000 - 65.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: See material notes

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ACUTE AQUATIC

EU - R-phrases

R51 - Toxic to Aquatic Organisms

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 IRRITATION

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: Present in stains with a weight ratio varying from 0% to 65%.

1-ETHENYL-2-PYRROLIDINONE

ID: 88-12-0

#: 0.0000 - 10.0000

GS: LT-1

RC: None

NANO: NO

ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

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

MAMMALIAN

EU - R-phrases

R21 - Harmful in Contact with Skin

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

EYE IRRITATION

EU - R-phrases

R41 - Risk of serious damage to eyes

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

EYE IRRITATION

EU - GHS (H-Statements)

H318 - Causes serious eye damage

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 10%.

DIPROPYLENE GLYCOL DIACRYLATE

ID: 57472-68-1

#: 0.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 10%.

POLYURETHANE FOAMS

ID: 9009-54-5

#: 0.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 5%. Approximate for urethane resin.

**ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE**

ID: 28961-43-5

%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 5%.

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

ID: 55818-57-0

%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 5%. Approximate for epoxy acrylate resin.

**1,6-HEXANEDIOL DIACRYLATE**

ID: 13048-33-4

%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	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: Present in stains with a weight ratio varying from 0% to 5%.

PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE

ID: 162881-26-7

%: 0.0000 - 5.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE      EU - R-phrases      R43 - May cause sensitization by skin contact  
SKIN IRRITATION      EU - GHS (H-Statements)      H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 5%.

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

%: 0.0000 - 75.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE      German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 75%.

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

ID: 75980-60-8

%: 0.0000 - 5.0000      GS: LT-P1      RC: None      NANO: NO      ROLE: See material notes

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: Present in stains with a weight ratio varying from 0% to 5%.

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 25.0000      GS: LT-1      RC: None      NANO: NO      ROLE: See material notes

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER      US CDC - Occupational Carcinogens      Occupational Carcinogen

CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
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: Present in stains with a weight ratio varying from 0% to 25%.

2-BENZYL-2-DIMETHYLAMINO-4-MORPHOLINOBTYROPHENONE

ID: 119313-12-1

%: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: See material notes
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Present in stains with a weight ratio varying from 0% to 5%.

## 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.

### SUSTAINABLE FORESTRY

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL:

<http://info.fsc.org/details.php?id=a0240000005sTHEAA2&type=certificate&return=certificate.php>

CERTIFICATION AND COMPLIANCE NOTES: W5 Solid wood (sawn, chipped, peeled) W5.1 Flitches and boules Lumber W3 Wood in chips or particles W3.1 Wood chips W11 Wood for construction W11.5 Flooring W11.5.3 Plank flooring Hardwood strips W11 Wood for construction W11.5 Flooring W11.5.5 Engineered flooring Engineer wood W1 Rough wood W1.1 Roundwood (logs) W3 Wood in chips or particles W3.2 Sawdust

### FSC

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-05-05	2020-05-04	Rainforest Alliance

## 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.

## Section 5: General Notes

RESIDUALS / IMPURITIES: Lauzon flooring products do not contain impurities. They are essentially made of virgin wood. In applicable products, adhesives represent a very low portion of the final product weight. All of our finishes are UV curable polymers, and therefore, all liquid components are known to polymerize leaving no residuals. Finally, Lauzon flooring products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in our adhesives, at that level, have been disclosed.----- OPTIONAL FINISH: PURE GENIUS technology -// Principle: PURE GENIUS is a light-activated, air-purifying agent made of titanium dioxide integrated into Lauzon's TITANIUM floor finish. Activated by natural and artificial light, it breaks down toxic contaminants on contact (formaldehyde and other pollutants present indoors) and transforms them into harmless molecules. -// Ingredients and hazards: The technology is added to Lauzon's flooring in two layers. The first layer do not contain any harmful ingredient according to its OSHA MSDS. The second layer contains the following hazardous ingredients: Titanium dioxide 1-5w%, Ammonia 1-5 w%, Triethylamin <1%. The second layer contains the following hazard warnings: R statements: R11 - Highly flammable, R20 - Harmful by inhalation, R21 - Harmful in contact with skin, R22 - Harmful if swallowed, R34 - Causes burns, R35 - Causes severe burns, R50 - Very toxic to aquatic organisms. H statements: H225 – Highly flammable liquid and vapour, H302 – Harmful if swallowed, H312 – Harmful in contact with skin, H314 – Causes severe skin burns and eye damage, H332 – Harmful if inhaled, H400 – Very toxic to aquatic life. No PBT/vPvB evaluation. -// Nanoparticles: contains TiO<sub>2</sub>.



## MANUFACTURER INFORMATION

MANUFACTURER: Lauzon Flooring

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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

**GLO** Global warming

**PHY** Physical Hazard (reactive)

**CAN** Cancer

**MAM** Mammalian/systemic/organ toxicity

**REP** Reproductive toxicity

**DEV** Developmental toxicity

**MUL** Multiple hazards

**RES** Respiratory sensitization

**END** Endocrine activity

**NEU** Neurotoxicity

**SKI** Skin sensitization/irritation/corrosivity

**EYE** Eye irritation/corrosivity

**OZO** Ozone depletion

**LAN** Land Toxicity

**GEN** Gene mutation

**PBT** Persistent Bioaccumulative Toxic

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**LT-P1** List Translator Possible Benchmark 1

**BM-3** Benchmark 3 (use but still opportunity for improvement) BM-2  
Benchmark 2 (use but search for safer substitutes)

**LT-1** List Translator Likely Benchmark 1

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**LT-UNK** List Translator Benchmark Unknown (insufficient  
information from List Translator lists to benchmark)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**UNK** 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

**Nano** Composed of nanoscale particles or nanotechnology

### Declaration Level

**Self-declared** Manufacturer's self-declaration (First Party)

**Independent Lab** Manufacturer's self-declaration using results from an independent lab

**Second Party** Verification by trade association or other interested party

**Third Party** Verification by independent certifier

**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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.