

CLASSIFICATION: 096400

created via: HPDC Online  
Builder

PRODUCT DESCRIPTION: THIS HPD COVERS SOLU'S ENGINEERED FLOORING. SOLU CUSTOM HARDWOOD IS A DIVISION OF MYRADOR. MORE SPECIFICALLY, THIS HPD INCLUDES ALL TYPES OF ENGINEERED FLOORING WITH MOST COMMON FINISHES: VARNISH (UV COATING) OR OIL. THIS HPD ALSO COVERS BOTH THICKNESSES: 5/8 INCHES AND 3/4 INCHES. ENGINEERED FLOORING IS MADE OF SOLID SAWN WOOD GLUED TO PREMIUM RUSSIAN BIRCH PLYWOOD.

**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 2 of 6 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 [ BIRCH NoGS PHENOL FORMALDEHYDE LT-P1 | RES FORMALDEHYDE LT-1 | MAM | SKI | CAN | RES | GEN | MUL | END ] WOOD [ MAPLE NoGS ] ADHESIVE #1 [ POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES ] ADHESIVE #2 [ POLYVINYL ACETATE (PVA) LT-UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) LT-UNK | MAM | EYE | SKI | CAN | RES | MUL DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC LT-UNK | MAM | EYE | SKI | CAN | RES | MUL 4,4'-MDI DIMER LT-UNK | MUL | RES ] VARNISH [ 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 BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK 2-BENZYL-2-DIMETHYLAMINO-4-MORPHOLINO BUTYROPHENONE LT-P1 | AQU | MUL TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK | EYE | SKI | RES TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL CARBON BLACK LT-1 | CAN 1-ETHYLENE-2-PYRROLIDINONE LT-1 | MAM | CAN | EYE OCTYL ACRYLATE LT-P1 | MUL TALC BM-1 | CAN EXO-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPT-2-YL ACRYLATE LT-P1 | MUL GLYCIDYL ETHERS LT-1 | CAN ALUMINUM OXIDE LT-P1 | RES 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL (2-HYDROXY-4-(OCTYLOXY)PHENYL)PHENYLMETHANONE LT-UNK ACRYLATES NoGS 1,2(OR 3)-PROPANEDIOL,1-ACRYLATE LT-UNK | MAM | SKI CYCLOHEXYL PHENYL KETONE LT-P1 | MUL DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE LT-P1 | REP | MUL N-METHYLPYRROLIDONE LT-1 | EYE | SKI | DEV | REP | MUL QUARTZ LT-1 | CAN 2-(2-ETHOXYETHOXY)ETHYL ACRYLATE LT-UNK 2-PROPENOIC ACID, REACTION PRODUCTS WITH PENTAERYTHRITOL AND TDI LT-UNK ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 | MAM | EYE | SKI | END | CAN PENTAERYTHRITOL TETRAACRYLATE LT-UNK | EYE | SKI ETHYLBENZENE BM-2 | MAM | CAN | REP | PHY BENZOPHENONE LT-1 | CAN | END PENTAERYTHRITOL TRIACRYLATE LT-UNK | EYE | SKI TOLUENE BM-1 | MAM | SKI | DEV | REP | END | MUL | PHY POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)- LT-UNK EPOXY RESINS NoGS ] OIL [ SOYBEAN OIL NoGS NAPHTHA, PETROLEUM, HEAVY ALKYLATE LT-1 | CAN | GEN | MAM FATTY ACIDS, VEGETABLE-OIL, ESTERS WITH TRIMETHYLOLPROPANE LT-UNK DISTILLATE FUEL OILS, LIGHT BM-2 | MAM | CAN XYLENES BM-1 | MAM | SKI | END | MUL | REP ETHYLBENZENE BM-2 | MAM | CAN | REP | PHY FATTY ACIDS, C9- VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Number of Greenscreen BM-4/BM3 contents..... 0  
 Contents highest concern GreenScreen  
 Benchmark or List translator Score..... BM-1  
 Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

This HPD has been prepared with Material Content Inventory display. All substances present in the final product have been disclosed at a level of 1000 ppm. Two different finishes are available for Solid Wood Flooring: oil and UV coating. Information about residuals was not always available partly because the manufacturer never did this kind of assessment.

**CERTIFICATIONS AND COMPLIANCE**

VOC Content data is not applicable for this product category.

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: July 18, 2017	EXPIRY DATE*: July 18, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 18, 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

#: 71.3000 - 75.1000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: The amount of adhesive (PF resin) in russian birch plywood were adapted from technical data. A range has been entered as a result to cover uncertainty in the interpretation.

#### BIRCH

ID:

#: 95.0000 - 100.0000    GS: NoGS    RC: None    NANO: NO    ROLE: Main material

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Russian birch veneer.

#### PHENOL FORMALDEHYDE

ID: 9003-35-4

#: 1.0000 - 5.0000    GS: LT-P1    RC: None    NANO: NO    ROLE: Binder

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Exterior type adhesive for plywood.

#### FORMALDEHYDE

ID: 50-00-0

#: Impurity/Residual    GS: LT-1    RC: None    NANO: NO    ROLE: Impurity/Residual

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

MAMMALIAN

EU - R-phrases

R25 - Toxic if Swallowed

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Japan - GHS	Carcinogenicity - Category 1A
SUBSTANCE NOTES: Residual from Phenol Formaldehyde resin.		

**WOOD**

**%: 23.9000 - 27.7000**

**HPD URL:**

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: Hardwood lamella. Ranges come from the fact that Solu's Engineered Flooring have two different thicknesses 5/8" and 3/4".

**MAPLE**

ID:

%: 100.0000	GS: NoGS	RC: None	NANO: NO	ROLE: Main material
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**ADHESIVE #1****%: 1.3000****HPD URL:**

Inventory Threshold: Other

Residuals Considered: No

Material Notes: Alternative finish to adhesive #2. PVAc-based adhesive used for the assembly of Solu's Engineered Flooring (bonding of hardwood lamella and plywood).

**POLYVINYL ACETATE (PVA)**

ID: 9003-20-7

%: 94.0000 - 99.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Main component
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**ALUMINUM NITRATE, 9-HYDRATE**

ID: 7784-27-2

%: 1.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: See Material Notes.

**ADHESIVE #2****%: 1.3000****HPD URL:**

Inventory Threshold: Other

Residuals Considered: No

Material Notes: Alternative adhesive to adhesive #1. Emulsion Polymer Isocyanate (EPI) adhesive. Composition taken from GHS SDS and technical data sheet for ratios of component A and B.

**POLYVINYL ACETATE (PVA)**

ID: 9003-20-7

%: 87.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Main component
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

**POLYMERIC MDI (PMDI)**

ID: 9016-87-9

%: 6.5000 - 9.7500

GS: LT-UNK

RC: None

NANO: NO

ROLE: hardener

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY

AOEC - Asthmagens

Asthmagen (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: See Material Notes.

**METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)**

ID: 101-68-8

%: 3.2500 - 6.5000

GS: LT-UNK

RC: None

NANO: NO

ROLE: hardener

**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.

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

SUBSTANCE NOTES: See Material Notes.

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

ID: 26447-40-5

%: 0.1300 - 0.6500      GS: LT-UNK      RC: None      NANO: NO      ROLE: hardener

**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 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

SUBSTANCE NOTES: See Material Notes.

%: 0.1300 - 0.6500	GS: LT-UNK	RC: None	NANO: NO	ROLE: hardener
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
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SUBSTANCE NOTES: See Material Notes.

**VARNISH**

%: 0.0000 - 1.0000

HPD URL:

Inventory Threshold: Per GHS SDS

Residuals Considered: No

Material Notes: Alternative finish to oil. This UV curable coating is composed of 8 layers that were considered of the same weight. Each substances has been weighted as 1/8 depending on the layer they were in. Only the eighth layer (top coat) has different possibilities, therefore weight ratios from this layer start from 0%. The combination of product is the most common used by Solu Custom Hardwood, a division of Myrador: Layer 1 is a mixture of UV stains, tinters and photoinitiator; Layer 2 is a UV filler; Layer 3 to 6 are a UV sealers; Layer 7 is a UV presealer; and Layer 8 is the top coat (5 different options are available for top coat). Ranges comes from the combination of all different layers that contain one or more identical substances.

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

%: 20.0000 - 21.2500	GS: LT-P1	RC: None	NANO: NO	ROLE: ingredient: layer 1
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: See Material Notes.

BISPHENOL A-EPICHLOROHYDRIN ACRYLATE

ID: 55818-57-0

%: 12.5000 - 25.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: ingredient: layers 3, 4, 5, 6.
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: See Material Notes.

2-BENZYL-2-DIMETHYLAMINO-4-MORPHOLINOBTYROPHENONE

ID: 119313-12-1

%: 11.8800 - 12.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: ingredient: layer 1
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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: See Material Notes.

**TRIMETHYLOLPROPANE TRIACRYLATE**

ID: 15625-89-5

%: 6.8800 - 21.8800	GS: LT-UNK	RC: None	NANO: NO	ROLE: ingredient: layers 3, 4, 5, 6 and 8 (top coat)
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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
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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: See Material Notes.

**TRIPROPYLENE GLYCOL DIACRYLATE**

ID: 42978-66-5

%: 6.6300 - 13.7500	GS: LT-P1	RC: None	NANO: NO	ROLE: ingredient: layers 2, 3, 4, 5, 6 and 7
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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 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: See Material Notes.

**CARBON BLACK**

ID: 1333-86-4

%: 3.1300 - 3.7500	GS: LT-1	RC: None	NANO: NO	ROLE: ingredient: layer 1
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**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: See Material Notes.

**1-ETHENYL-2-PYRROLIDINONE**

ID: 88-12-0

%: 2.5000 - 6.2500	GS: LT-1	RC: None	NANO: NO	ROLE: ingredient: layers 1 and 7
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**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: See Material Notes.				

<b>OCTYL ACRYLATE</b>		ID: 2499-59-4		
%: 2.5000 - 6.6300	GS: LT-P1	RC: None	NANO: NO	ROLE: ingredient: layers 1, 7, and 8 (top coat)

<b>HAZARDS:</b>	<b>AGENCY(IES) WITH WARNINGS:</b>			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES: See Material Notes.				

<b>TALC</b>		ID: 14807-96-6		
%: 1.6300 - 3.7500	GS: BM-1	RC: None	NANO: NO	ROLE: ingredient: layers 2 and 7

<b>HAZARDS:</b>	<b>AGENCY(IES) WITH WARNINGS:</b>			
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
SUBSTANCE NOTES: See Material Notes.				

<b>EXO-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPT-2-YL ACRYLATE</b>		ID: 5888-33-5		
%: 1.2500 - 2.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: ingredient: layers 1 and 7

<b>HAZARDS:</b>	<b>AGENCY(IES) WITH WARNINGS:</b>			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
SUBSTANCE NOTES: See Material Notes.				

<b>GLYCIDYL ETHERS</b>		ID:		
%: 1.2500 - 2.5000	GS: LT-1	RC: None	NANO: NO	ROLE: ingredient: layers 1 and 7

<b>HAZARDS:</b>	<b>AGENCY(IES) WITH WARNINGS:</b>			
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SUBSTANCE NOTES: See Material Notes.

## ALUMINUM OXIDE

ID: 1344-28-1

%: 1.2500 - 4.3800

GS: LT-P1

RC: None

NANO: NO

ROLE: ingredient: layers  
4 and 8 (top coat)

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable  
forms only

SUBSTANCE NOTES: See Material Notes.

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

ID: 7473-98-5

%: 0.8800 - 2.7500

GS: LT-UNK

RC: None

NANO: NO

ROLE: ingredient: layers  
3, 4, 5, 6, 7 and 8 (top  
coat)

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

## 1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

%: 0.6250 - 3.1250

GS: LT-P1

RC: None

NANO: NO

ROLE: ingredient: layer 8  
(top coat)

## 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 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: See Material Notes.

(2-HYDROXY-4-(OCTYLOXY)PHENYL)PHENYLMETHANONE

ID: 1843-05-6

%: 0.5000 - 1.6300

GS: LT-UNK

RC: None

NANO: NO

ROLE: ingredient: layers  
3, 5, 6, 7 and 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

ACRYLATES

ID: 102256-29-1

%: 0.3800 - 3.7500

GS: NoGS

RC: None

NANO: NO

ROLE: ingredient: layers  
1 and 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

1,2(OR 3)-PROPANEDIOL,1-ACRYLATE

ID: 25584-83-2

%: 0.1400 - 0.4100

GS: LT-UNK

RC: None

NANO: NO

ROLE: ingredient: layers  
1 and 7

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

MAMMALIAN

EU - R-phrases

R25 - Toxic if Swallowed

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

MAMMALIAN

EU - GHS (H-Statements)

H301 - Toxic if swallowed

MAMMALIAN

EU - GHS (H-Statements)

H311 - Toxic in contact with skin

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See Material Notes.

## CYCLOHEXYL PHENYL KETONE

ID: 712-50-5

%: 0.1300 - 1.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: ingredient: layers 1 and 8 (top coat)

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Material Notes.

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

ID: 75980-60-8

%: 0.1100 - 0.7400

GS: LT-P1

RC: None

NANO: NO

ROLE: ingredient: layers 1, 3, 5, 6, 7 and 8 (top coat)

## 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: See Material Notes.

## N-METHYLPYRROLIDONE

ID: 872-50-4

%: 0.0400 - 0.1300

GS: LT-1

RC: None

NANO: NO

ROLE: ingredient: layer 4

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

DEVELOPMENTAL

EU - R-phrases

R61 - May cause harm to the unborn child

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

REPRODUCTIVE

EU - SVHC Authorisation List

Toxic to reproduction - Candidate list

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

DEVELOPMENTAL

EU - GHS (H-Statements)

H360D - May damage the unborn child

REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
DEVELOPMENTAL	Australia - GHS	H360D - May damage the unborn child

SUBSTANCE NOTES: See Material Notes.

**QUARTZ**

ID: 14808-60-7

%: 0.0100 - 0.0400      GS: LT-1      RC: None      NANO: NO      ROLE: ingredient: layer 2

**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 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens

SUBSTANCE NOTES: See Material Notes.

**2-(2-ETHOXYETHOXY)ETHYL ACRYLATE**

ID: 7328-17-8

%: 0.0000 - 3.1300      GS: LT-UNK      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists	
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SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

2-PROPENOIC ACID, REACTION PRODUCTS WITH PENTAERYTHRITOL AND TDI

ID: 68412-43-1

%: 0.0000 - 0.6300

GS: LT-UNK

RC: None

NANO: NO

ROLE: ingredient: layer 8 (top coat)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

%: 0.0000 - 0.3800

GS: BM-2

RC: None

NANO: NO

ROLE: ingredient: layer 8 (top coat)

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

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

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

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

PENTAERYTHRITOL TETRAACRYLATE

ID: 4986-89-4

%: 0.0000 - 1.2500

GS: LT-UNK

RC: None

NANO: NO

ROLE: ingredient: layer 8 (top coat)

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 SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**ETHYLBENZENE**

ID: 100-41-4

%: 0.0000 - 0.0400      GS: BM-2      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**BENZOPHENONE**

ID: 119-61-9

%: 0.0000 - 0.3800      GS: LT-1      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor



SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**PENTAERYTHRITOL TRIACRYLATE**

ID: 3524-68-3

%: 0.0000 - 1.2500      GS: LT-UNK      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**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 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: Not present in all top coat options. See Material Notes.

**TOLUENE**

ID: 108-88-3

%: 0.0000 - 0.1300      GS: BM-1      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
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
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-(1-OXO-2-PROPEN1-YL)-OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)-** ID: 26570-48-9

%: 0.0000 - 1.2500      GS: LT-UNK      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**EPOXY RESINS** ID: 61788-97-4

%: 0.0000 - 3.1300      GS: NoGS      RC: None      NANO: NO      ROLE: ingredient: layer 8 (top coat)

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Not present in all top coat options. See Material Notes.

**OIL**      %: 0.0000 - 1.0000      HPD URL:

Inventory Threshold: 1000 ppm      Residuals Considered: No

Material Notes: Alternative finish to varnish. The oil manufacturer stated that the main substance of its oil was soya oil but residuals were not investigated by the oil manufacturer.

**SOYBEAN OIL** ID: 8001-22-7

%: 40.0000      GS: NoGS      RC: None      NANO: NO      ROLE: Main component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**NAPHTHA, PETROLEUM, HEAVY ALKYLATE**

ID: 64741-65-7

%: 25.0000 - 35.0000      GS: LT-1      RC: None      NANO: NO      ROLE: solvent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

CANCER	EU - R-phrases	R45 - May cause cancer
GENE MUTATION	EU - R-phrases	R46 - May cause heritable genetic damage
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: See Material Notes.

**FATTY ACIDS, VEGETABLE-OIL, ESTERS WITH TRIMETHYLOLPROPANE**

ID: 84539-98-0

%: 10.0000      GS: LT-UNK      RC: None      NANO: NO      ROLE: oil component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximation for soya-based alkyd resins.

**DISTILLATE FUEL OILS, LIGHT**

ID: 64742-47-8

%: 10.0000 - 25.0000      GS: BM-2      RC: None      NANO: NO      ROLE: solvent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN      EU - GHS (H-Statements)      H304 - May be fatal if swallowed and enters airways

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: See Material Notes.

**XYLENES**

ID: 1330-20-7

%: 1.0000 - 5.0000

GS: BM-1

RC: None

NANO: NO

ROLE: solvent

**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

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

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 1B

SUBSTANCE NOTES: Mix of xylene isomers.

**ETHYLBENZENE**

ID: 100-41-4

%: 0.1000 - 1.0000

GS: BM-2

RC: None

NANO: NO

ROLE: solvent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN

EU - R-phrases

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

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

MAMMALIAN

EU - GHS (H-Statements)

H304 - May be fatal if swallowed and enters airways

CANCER

MAK

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

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: See Material Notes.

%: 0.1000 - 1.0000

GS: NoGS

RC: None

NANO: NO

ROLE: oil component

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**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.

**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**



### MANUFACTURER INFORMATION

MANUFACTURER: Bois Franc Myrador

CONTACT NAME: Audrey Gervais

ADDRESS: 3400 boulevard Gene-H. Kruger  
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### KEY

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**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

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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.