

CLASSIFICATION: 09 64 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD covers the entire range of Engineered wood flooring by Mercier Wood Flooring.

Engineered wood boards are available in widths ranging from 3 1/4" (83 mm) to 8 1/8" (206 mm) depending on species.

Engineered wood boards are available in the following thicknesses: 3/8" (8.5 mm), 1/2" (12.8 mm), or 3/4" (19 mm) with a micro-V joint on 4 faces. Several wood species available. Acrylate polymer-based finish consisting of UV-cured polyurethane reinforced with suspended aluminium oxide particles.

**Section 1: Summary**

**Nested Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold level**

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

**Residuals/Impurities**

Residuals/Impurities Considered in 2 of 5 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

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

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

**Identified**  Yes  No  
Name and Identifier Provided?

**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 [ WOOD (WOOD) NoGS PHENOL FORMALDEHYDE (PHENOL FORMALDEHYDE) LT-P1 | RES CALCIUM CARBONATE (CALCIUM CARBONATE) BM-3 WOOD DUST - UNSPECIFIED (WOOD DUST - UNSPECIFIED) NoGS FORMALDEHYDE (FORMALDEHYDE) LT-1 | RES | CAN | MAM | SKI | GEN | MUL | END ] HARDWOOD [ WOOD (WOOD) NoGS ] ADHESIVE #1 [ POLYURETHANE (POLYURETHANE) LT-UNK DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC (DIPHENYLMETHANE DIISOCYANATE (MDI) - NON ISOMER SPECIFIC) LT-UNK | MUL | SKI | EYE | RES | CAN ] NATURAL FINISH [ BISPHENOL A-EPICHLOROHYDRIN ACRYLATE (BISPHENOL A-EPICHLOROHYDRIN ACRYLATE) LT-UNK 1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE) LT-P1 | SKI | EYE | MUL TRIPROPYLENE GLYCOL DIACRYLATE (TRIPROPYLENE GLYCOL DIACRYLATE) LT-P1 | AQU | SKI | EYE | MUL DIPROPYLENE GLYCOL DIACRYLATE (DIPROPYLENE GLYCOL DIACRYLATE) LT-UNK 2-[[[3-HYDROXY-2,2-BIS[[[1-OXOALLYL]OXY]METHYL]PROPOXY]METHYL]-2-[[[1-OXOALLYL]OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE (2-[[[3-HYDROXY-2,2-BIS[[[1-OXOALLYL]OXY]METHYL]PROPOXY]METHYL]-2-[[[1-OXOALLYL]OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE) LT-P1 | MUL OILS, SOYABEAN ACRYLATE, EPOXIDISED (OILS, SOYABEAN ACRYLATE, EPOXIDISED) LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-(1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-) LT-UNK 2-PROPENOIC ACID, ISODECYL ESTER (2-PROPENOIC ACID, ISODECYL ESTER) LT-P1 | MUL TRIMETHYLOLPROPANE TRIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE) LT-UNK | RES | SKI | EYE SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN TRIETHYL ORTHOFORMATE (TRIETHYL ORTHOFORMATE) LT-UNK OLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-( OLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-) NoGS HYDROXYCYCLOHEXYL PHENYL KETONE (HYDROXYCYCLOHEXYL PHENYL KETONE) LT-UNK DIPHENYL(2,4,6-

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

**INVENTORY AND SCREENING NOTES:**

This HPD covers the whole range of wood species and types of finishes available for Engineered wood flooring manufactured by Mercier Wood Flooring, which introduces ranges in composition. Special Conditions materials are present in the product: biological material, reaction products, defined substances without identifier, plastics and polymers. Guidelines for reporting Special Conditions materials are still under development by HPDC and the manufacturer will update the HPD accordingly once these guidelines get published.

TRIMETHYLBENZOYL)PHOSPHINE OXIDE (DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE) **LT-P1** | REP | MUL GLYCEROL PROPOXYLATE TRIACRYLATE (GLYCEROL PROPOXYLATE TRIACRYLATE) **LT-UNK** ACRYL- UND METHACRYLMODIFIZIERTE POLYDIMETHYLSILOXANE, MITTLERE MOLMASSEN 1200 BIS 15000 G/MOL, RESTGEHALTE AN ACRYLSÄURE UND OCTAMETHYÖLCYCLOTETRASIOXAN < 0,1 % (MODIFIED SILOXANES AND SILICONES) **LT-UNK** SILICA GEL (SILICA GEL) **LT-UNK** DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;) **LT-P1** | PBT | MUL ] STAIN FINISH [ TRIPROPYLENE GLYCOL DIACRYLATE (TRIPROPYLENE GLYCOL DIACRYLATE) **LT-P1** | AQU | SKI | EYE | MUL DIPROPYLENE GLYCOL DIACRYLATE (DIPROPYLENE GLYCOL DIACRYLATE) **LT-UNK** ACRYLATES (ACRYLATES) **NoGS** 1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE) **LT-P1** | SKI | EYE | MUL 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- (1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-) **LT-UNK** SILICA, AMORPHOUS (SILICA, AMORPHOUS) **LT-P1** | CAN HYDROXYCYCLOHEXYL PHENYL KETONE (HYDROXYCYCLOHEXYL PHENYL KETONE) **LT-UNK** DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE (DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE) **LT-P1** | REP | MUL GLYCEROL PROPOXYLATE TRIACRYLATE (GLYCEROL PROPOXYLATE TRIACRYLATE) **LT-UNK** 1-ETHENYL-2-PYRROLIDINONE (1-ETHENYL-2-PYRROLIDINONE) **LT-1** | EYE | CAN TALC (TALC) **BM-1** | CAN ETHYLENE GLYCOL DIACRYLATE (ETHYLENE GLYCOL DIACRYLATE) **NoGS** CARBON BLACK (CARBON BLACK) **LT-1** | CAN TITANIUM DIOXIDE (TITANIUM DIOXIDE) **LT-1** | CAN | END ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATE (ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATE) **LT-P1** | MUL 2-(ACRYLOYLOXY)ETHANOL (2-(ACRYLOYLOXY)ETHANOL) **LT-P1** | AQU | MAM | SKI | MUL COPPERDIMETHYLDITHIOCARBAMATE (COPPERDIMETHYLDITHIOCARBAMATE) **LT-P1** 2-(2-ETHOXYETHOXY)ETHYL ACRYLATE (2-(2-ETHOXYETHOXY)ETHYL ACRYLATE) **LT-UNK** OILS, SOYABEAN ACRYLATE, EPOXIDISED (OILS, SOYABEAN ACRYLATE, EPOXIDISED) **LT-UNK** POLYETHYLENE (POLYETHYLENE) **LT-UNK** POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)- (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-EPICHLOOROHYDRIN ACRYLATE (BISPHENOL A-EPICHLOOROHYDRIN ACRYLATE) **LT-UNK** POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY- **NoGS** 2-PROPENOIC ACID, ISODECYL ESTER (2-PROPENOIC ACID, ISODECYL ESTER) **LT-P1** | MUL 2-[[[3-HYDROXY-2,2-BIS[[[(1-OXOALLYL)OXY]METHYL]PROPOXY]METHYL]-2-[[[(1-OXOALLYL)OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE (2-[[[3-HYDROXY-2,2-BIS[[[(1-OXOALLYL)OXY]METHYL]PROPOXY]METHYL]-2-[[[(1-OXOALLYL)OXY]METHYL]-1,3-PROPANEDIYL DIACRYLATE) **LT-P1** | MUL TRIMETHYLOLPROPANE TRIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE) **LT-UNK** | RES | SKI | EYE ACRYL- UND METHACRYLMODIFIZIERTE POLYDIMETHYLSILOXANE, MITTLERE MOLMASSEN 1200 BIS 15000 G/MOL, RESTGEHALTE AN ACRYLSÄURE UND OCTAMETHYÖLCYCLOTETRASIOXAN < 0,1 % (MODIFIED SILOXANES AND SILICONES) **LT-UNK** SILICA GEL (SILICA GEL) **LT-UNK** DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;) **LT-P1** | PBT | MUL ]

## VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

## CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified  
 Management: ISO 9001:2015 - Quality Management Systems  
 Sustainable forestry: FSC Certification - Chain of Custody (COC)

## CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-01-31

PUBLISHED DATE: 2018-02-01

EXPIRY DATE: 2021-01-31

## 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)

### PLYWOOD

#: 61.6000 - 78.6000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities information not given by suppliers. Presented residuals for plywood is based on the preparer experience with formaldehyde-based resins.

OTHER MATERIAL NOTES: Plywood is available from several suppliers. The declared plywood composition covers all variations existing among suppliers.

#### WOOD (WOOD)

ID: Not registered

#: 86.5000 - 92.0000

GS: NoGS

RC: None

NANO: No

ROLE: Plies

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Wood veneer is the main material composing plywood.

#### PHENOL FORMALDEHYDE (PHENOL FORMALDEHYDE)

ID: 9003-35-4

#: 7.6000 - 13.5000

GS: LT-P1

RC: None

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Phenol formaldehyde resins are the base binder for all suppliers.

#### CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: 0.0000 - 0.5400

GS: BM-3

RC: None

NANO: No

ROLE: Adhesive filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Chalk is used in some PF resins not in all supplied products, which is translated by the range used to declare this substance.

#: **0.0000 - 0.2200** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Adhesive filler**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Referred to by supplier are wood flour. Wood flour is used in some PF resins not in all supplied products, which is translated by the range used to declare this substance.

**FORMALDEHYDE (FORMALDEHYDE)**

ID: 50-00-0

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

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

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 &amp;/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

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Known residual for formaldehyde-based resins.

## HARDWOOD

%: 20.4000 - 37.6000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Hardwood is a natural material and does not contain impurities nor residuals.

OTHER MATERIAL NOTES: Top layer. Different species of hardwood are used in the manufacturing of Engineered wood flooring from Mercier Wood Flooring. The list of hardwood species includes but is not limited to: white oak, red oak, sugar maple, hickory, walnut, cherry.

### WOOD (WOOD)

ID: Not registered

%: 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: See Other Material Notes.

## ADHESIVE #1

%: 0.0000 - 0.1000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not identified by supplier.

OTHER MATERIAL NOTES: Polyurethane-based adhesive. Present in Engineered wood products at level inferior to 0.1%.

### POLYURETHANE (POLYURETHANE)

ID: 64440-88-6

%: 95.0000 - 99.0000      GS: LT-UNK      RC: None      NANO: No      ROLE: Main substance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

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

ID: 26447-40-5

%: 1.0000 - 5.0000      GS: LT-UNK      RC: None      NANO: No      ROLE: Active ingredient

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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: Not identified as residuals, therefore disclosed as a regular constituent of this polyurethane-based adhesive.

## NATURAL FINISH

%: 0.0000 - 0.1000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities not identified on SDSs.

OTHER MATERIAL NOTES: Alternative to Stain finish. The range is therefore 0w% to 0.1w%. Acrylate-based finish system. Finishes represents on average less than 0.1% of the total product weight. This finish is called natural because it excludes any type of coloring and only provides a natural wood color. Finishing systems are composed of 5 different products. Each product and its ingredients has been weighted as 20% of the final system. Finishing systems include a mat, satin or semi-gloss top coats which have been treated as alternatives in the accounting (range from 0% to max %).

### BISPHENOL A-EPICHLOROHYDRIN ACRYLATE (BISPHENOL A-EPICHLOROHYDRIN ACRYLATE)

ID: 55818-57-0

%: 10.0000 - 13.0000      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

### 1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE)

ID: 13048-33-4

%: 9.0000 - 14.0000      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
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

SUBSTANCE NOTES: See Other Material Notes.

**TRIPROPYLENE GLYCOL DIACRYLATE (TRIPROPYLENE GLYCOL DIACRYLATE)**

ID: 42978-66-5

#: <b>8.0000 - 12.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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 Other Material Notes.

**DIPROPYLENE GLYCOL DIACRYLATE (DIPROPYLENE GLYCOL DIACRYLATE)**

ID: 57472-68-1

#: <b>7.0000 - 16.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: See Other Material Notes.

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

#: <b>6.6000 - 12.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

**OILS, SOYABEAN ACRYLATE, EPOXIDISED (OILS, SOYABEAN ACRYLATE,**

ID: 91722-14-4

**EPOXIDISED)**

%: <b>2.0000 - 4.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- (1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-)**ID: **7473-98-5**

%: <b>1.2000 - 3.6000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**2-PROPENOIC ACID, ISODECYL ESTER (2-PROPENOIC ACID, ISODECYL ESTER)**ID: **1330-61-6**

%: <b>1.0000 - 2.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

**TRIMETHYLOLPROPANE TRIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE)**ID: **15625-89-5**

%: <b>1.0000 - 2.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

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 Other Material Notes.



#: <b>0.6000 - 4.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CANCER	Japan - GHS	Carcinogenicity - Category 1A
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SUBSTANCE NOTES: See Other Material Notes.

**TRIETHYL ORTHOFORMATE (TRIETHYL ORTHOFORMATE)**

ID: 122-51-0

#: <b>0.2000 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: See Other Material Notes.

**OLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY- (OLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-)**

ID: 104810-48-2

#: <b>0.2000 - 0.6000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: See Other Material Notes.

**HYDROXYCYCLOHEXYL PHENYL KETONE (HYDROXYCYCLOHEXYL PHENYL KETONE)**

ID: 947-19-3

#: <b>0.2000 - 0.6000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: See Other Material Notes.

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

ID: 75980-60-8

#: <b>0.1000 - 1.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
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SUBSTANCE NOTES: See Other Material Notes.

**GLYCEROL PROPOXYLATE TRIACRYLATE (GLYCEROL PROPOXYLATE TRIACRYLATE)**

ID: 52408-84-1

#: <b>0.0000 - 5.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**ACRYL- UND METHACRYLMODIFIZIERTE POLYDIMETHYLSILOXANE, MITTLERE MOLMASSEN 1200 BIS 15000 G/MOL, RESTGEHALTE AN ACRYLSÄURE UND OCTAMETHYÖLCYCLOTETRA-SILOXAN < 0,1 % (MODIFIED SILOXANES AND SILICONES)**

ID: 125455-52-9

#: <b>0.0000 - 0.6000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**SILICA GEL (SILICA GEL)**

ID: 112926-00-8

#: <b>0.0000 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;)**

ID: 41556-26-7

#: <b>0.0000 - 0.1000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

**STAIN FINISH**

**%: 0.0000 - 0.1000**

**HPD URL: N/A**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities not identified on SDSs.

OTHER MATERIAL NOTES: Alternative to Natural finish. The range is therefore 0w% to 0.1w%. Acrylate-based finish system. Finishes represents on average less than 0.1% of the total product weight. This finish is called stain finish because it includes all types of coloring (oil or stain) available for the product. Finishing systems are composed of 5 different products. Each product and its ingredients has been weighted as 20% of the final system. Finishing systems include a mat, satin or semi-gloss top coats which have been treated as alternatives in the accounting (range from 0% to max %). The whole range of available stains and colored oils has been analyzed and included.

**TRIPROPYLENE GLYCOL DIACRYLATE (TRIPROPYLENE GLYCOL DIACRYLATE)**

ID: 42978-66-5

**%: 8.0000 - 15.0000**      **GS: LT-P1**      **RC: None**      **NANO: No**      **ROLE: Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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 Other Material Notes.

**DIPROPYLENE GLYCOL DIACRYLATE (DIPROPYLENE GLYCOL DIACRYLATE)**

ID: 57472-68-1

**%: 5.0000 - 13.0000**      **GS: LT-UNK**      **RC: None**      **NANO: No**      **ROLE: Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: See Other Material Notes.

**ACRYLATES (ACRYLATES)**

ID: Not registered

**%: 2.0000 - 11.0000**      **GS: NoGS**      **RC: None**      **NANO: No**      **ROLE: Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**1,6-HEXANEDIOL DIACRYLATE (1,6-HEXANEDIOL DIACRYLATE)**

ID: 13048-33-4

#: **2.0000 - 12.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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 Other Material Notes.

**1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- (1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-)**

ID: 7473-98-5

#: **1.2000 - 4.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: See Other Material Notes.

**SILICA, AMORPHOUS (SILICA, AMORPHOUS)**

ID: 7631-86-9

#: **0.6000 - 6.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: See Other Material Notes.

**HYDROXYCYCLOHEXYL PHENYL KETONE (HYDROXYCYCLOHEXYL PHENYL KETONE)**

ID: 947-19-3

#: **0.2000 - 0.8000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: See Other Material Notes.

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

ID: 75980-60-8

%: **0.1200 - 2.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Additive**

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 Other Material Notes.

**GLYCEROL PROPOXYLATE TRIACRYLATE (GLYCEROL PROPOXYLATE TRIACRYLATE)**

ID: 52408-84-1

%: **0.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Base substance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**1-ETHENYL-2-PYRROLIDINONE (1-ETHENYL-2-PYRROLIDINONE)**

ID: 88-12-0

%: **0.0000 - 2.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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 Other Material Notes.

**TALC (TALC)**

ID: 14807-96-6

%: **0.0000 - 2.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

**ETHYLENE GLYCOL DIACRYLATE (ETHYLENE GLYCOL DIACRYLATE)**

ID: 2274-11-5

%: **0.0000 - 1.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Base substance**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**CARBON BLACK (CARBON BLACK)**

ID: 1333-86-4

%: **0.0000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

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 Other Material Notes.

**TITANIUM DIOXIDE (TITANIUM DIOXIDE)**

ID: 13463-67-7

%: **0.0000 - 4.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: See Other Material Notes.

**ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATE (ETHYL PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINATE)**

ID: 84434-11-7

RC: **None** NANO: **No** ROLE: **Ingredient**

GS: **LT-P1**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

**2-(ACRYLOYLOXY)ETHANOL (2-(ACRYLOYLOXY)ETHANOL)**

ID: **818-61-1**

RC: **None** NANO: **No** ROLE: **Solvent**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

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

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 Other Material Notes.

**COPPERDIMETHYLDITHIOCARBAMATE (COPPERDIMETHYLDITHIOCARBAMATE)**

ID: **137-29-1**

RC: **None** NANO: **No** ROLE: **Pigment**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

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

ID: **7328-17-8**

RC: **None** NANO: **No** ROLE: **Base substance**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Base substance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**OILS, SOYABEAN ACRYLATE, EPOXIDISED (OILS, SOYABEAN ACRYLATE,**

ID: **91722-14-4**

**EPOXIDISED)**

#: <b>0.0000 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**POLYETHYLENE (POLYETHYLENE)**

ID: 9002-88-4

#: <b>0.0000 - 0.6000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Additive</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**POLY(OXY(METHYL-1,2-ETHANEDIYL)), ALPHA,ALPHA'-(2,2-DIMETHYL-1,3-PROPANEDIYL)BIS(OMEGA-((1-OXO-2-PROPEN-1-YL)OXY)- (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

#: <b>0.0000 - 3.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
MULTIPLE	German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE (BISPHENOL A-EPICHLOROHYDRIN ACRYLATE)**

ID: 55818-57-0

#: <b>0.0000 - 13.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Base substance</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-(3-(3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4-HYDROXYPHENYL)-1-OXOPROPYL)-OMEGA-HYDROXY-**

ID: 104810-48-2

#: <b>0.0000 - 0.6000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists



SUBSTANCE NOTES: See Other Material Notes.

**2-PROPENOIC ACID, ISODECYL ESTER (2-PROPENOIC ACID, ISODECYL ESTER)**

ID: 1330-61-6

#: **0.0000 - 2.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

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

#: **0.0000 - 12.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Base substance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other Material Notes.

**TRIMETHYLOLPROPANE TRIACRYLATE (TRIMETHYLOLPROPANE TRIACRYLATE)**

ID: 15625-89-5

#: **0.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Base substance**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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 Other Material Notes.

**ACRYL- UND METHACRYLMODIFIZIERTE POLYDIMETHYLSILOXANE, MITTLERE MOLMASSEN 1200 BIS 15000 G/MOL, RESTGEHALTE AN ACRYLSäURE UND OCTAMETHYÖLCYCLOTETRA-SILOXAN < 0,1 % (MODIFIED SILOXANES AND SILICONES)**

ID: 125455-52-9

%: 0.0000 - 0.6000

GS: LT-UNK

RC: None NANO: No ROLE: Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**SILICA GEL (SILICA GEL)**

ID: 112926-00-8

%: 0.0000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

**DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER; (DECANEDIOIC ACID, BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) ESTER;)**

ID: 41556-26-7

%: 0.0000 - 0.1000

GS: LT-P1

RC: None

NANO: No

ROLE: Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Other 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.

**VOC EMISSIONS**

**UL/GreenGuard Gold Certified**

CERTIFYING PARTY: Third Party

ISSUE DATE: 2010-12-

EXPIRY DATE:

CERTIFIER OR LAB: UL Environment

APPLICABLE FACILITIES: All.

21

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Applies to all engineered wood floors by Mercier Wood Flooring. Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment.

**MANAGEMENT**

**ISO 9001:2015 - Quality Management Systems**

Engineered Wood Flooring  
hpdrepository.hpd-collaborative.org

CERTIFYING PARTY: Third Party

ISSUE DATE: 2009-01-

EXPIRY DATE:

CERTIFIER OR LAB: SGS

APPLICABLE FACILITIES: All.

01

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: The scope of registration includes: manufacturing and development of prefinished hardwood flooring and molding.

## SUSTAINABLE FORESTRY

## FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: Third Party

ISSUE DATE: 2013-11-

EXPIRY DATE:

CERTIFIER OR LAB: Rainforest

APPLICABLE FACILITIES: All.

05

Alliance

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Certificate Type: Single Chain of Custody and Controlled Wood. -//- Product group(s): Plan flooring; Engineered flooring; Flooring; Wood in chips or particles. -//- Certificate Registration Code: RA-COC-003583, RA-CW-003583.

## + 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

All finish systems have been considered in this HPD: mat, satin, semi-gloss, as well as all applicable stains. Ingredients present in all options have been declared in this document.

## 👁️ Section 6: References

### MANUFACTURER INFORMATION

MANUFACTURER: **Mercier Wood Flooring**

ADDRESS: **330 rue des Entrepreneurs  
Montmagny Quebec G5V 4T1, Canada**

WEBSITE: **www.mercier-wood-flooring.com/en**

CONTACT NAME: **Karyne Tremblay**

TITLE: **Director of Products Development & Quality**

PHONE: **418-248-1785**

EMAIL: **ktremblay@planchersmercier.com**

### KEY

**OSHA MSDS** Occupational Safety and Health Administration Material 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

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**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 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.*