The Oscar Collection
by Pair

HPD UNIQUE IDENTIFIER: 21094
CLASSIFICATION: 12 Furnishings

PRODUCT DESCRIPTION: From storage and lockers to recycling, open or closed cubbies, or shelving, Oscar is a customizable storage solution that keeps things out of sight. It comes with different leg bases, case styles, and a variety of finishes for over 2500 possible combinations.

Section 1: Summary

### Nested Method / Product Threshold

<table>
<thead>
<tr>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>Residuals/Impurities Considered in 13 of 13 Materials</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td></td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Explanation(s) provided for Residuals/Impurities?</td>
</tr>
</tbody>
</table>

All Substances Above the Threshold Indicated Are:

- **Characterized** Yes Ex/SC Yes No
  - % weight and role provided for all substances except SC substances characterized according to SC guidance.

- **Screened** Yes Ex/SC Yes No
  - All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

- **Identified** Yes Ex/SC Yes No
  - One or more substances not disclosed by Name (Specific or Generic) and Identifier and/or one or more Special Condition did not follow guidance.

### 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.

<table>
<thead>
<tr>
<th>Material</th>
<th>Substances</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Residuals/Impurities</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Considered in 13 of 13 Materials</td>
</tr>
</tbody>
</table>

### CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Reporting Format</th>
<th>Threshold Disclosed Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>Material</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Product</td>
</tr>
</tbody>
</table>

### INVENTORY AND SCREENING NOTES:

- Special conditions applied: BiologicalMaterial
  - Yes Ex/SC
  - Benchmark or List translator Score for BM-1
  - Nanomaterial ... No

### INVENTORY AND SCREENING NOTES:

- Number of Greenscreen BM-4/BM3 contents ... 2
  - Contents highest concern GreenScreen
  - Benchmark or List translator Score ... BM-1
  - Nanomaterial ... No

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

With 2500 possible combinations to this product line, we conducted this HPD with a "low" and "high" option to configure the percentage of material composition for all materials and substances. The "low" option is Oscar with open cubbies, six compartments, post radius legs, and a dimension of 60" x 18". For the "high" option we used Oscar with four doors and drawers, a sled base, and a dimension of 72" x 18". All other configurations are within this range. All impurities and residuals reported as part of the screening process are based on peer-reviewed scientific data about that substance and are not an assurance of presence in the actual material. NO actual materials were tested for impurities and residuals therefore the information provided is for reference only. The Pharos database was used.
VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE
VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS
No pre-checks completed or disclosed.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>VERIFIER:</td>
<td>PUBLISHED DATE: 2020-07-22</td>
</tr>
<tr>
<td>No</td>
<td>VERIFICATION #:</td>
<td>EXPIRY DATE: 2023-07-17</td>
</tr>
</tbody>
</table>

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2020-07-17
PUBLISHED DATE: 2020-07-22
EXPIRY DATE: 2023-07-17
**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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### PARTICLEBOARD FOR FURNITURE CONSTRUCTION

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 100 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
<th>MATERIAL TYPE: Wood Dust, Fiber or Chips</th>
</tr>
</thead>
</table>

**Residuals and Impurities Notes:** Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

**Other Material Notes:** Oscar uses two different particleboards based on different options. This particleboard is not used for door construction but is the primary core board for the furniture composition. The company only disclosed that the wood dust was 50-100% of the core's chemical composition. The cut sheet for the product lists that it uses NAF adhesive. NAF-based resins are resins formulated with no added formaldehyde as part of the resin cross-linking structure and include resins made from soy, polyvinyl acetate, or methylene diisocyanate. Resins in particleboard can be 0-40% by composition so the substances will be screened and adjusted accordingly. In addition, this product is FSC certified and CARB certified.

### SC:WOOD DUST

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 50.0000 - 100.0000</td>
<td>GS: Not Screened</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

Hazard Screening not performed

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23
Category: Tree-based materials
Identifier: Wood dust

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

The company only disclosed that the wood dust was 50-100% of the core's chemical composition. The cut sheet for the product lists that it uses NAF adhesive. NAF-based resins are resins formulated with no added formaldehyde as part of the resin cross-linking structure and include resins made from soy, polyvinyl acetate, or methylene diisocyanate. Resins in particleboard can be 0-40% by composition so the substances will be screened and adjusted accordingly. In addition, this product is FSC certified and CARB certified. It is 90% recycled content- 82% post-industrial and 8 % post-consumer.
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-07-17

%: 0.0000 - 40.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Binder

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The company only disclosed that the wood dust was 50-100% of the core's chemical composition. The cut sheet for the product lists that it uses NAF adhesive. NAF-based resins are resins formulated with no added formaldehyde as part of the resin cross-linking structure and include resins made from soy, polyvinyl acetate, or methylene diisocyanate. Resins in particleboard can be 0-40% by composition so the substances will be screened and adjusted accordingly. In addition, this product is FSC certified and CARB certified.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-07-17

%: 0.0000 - 40.0000

GS: NoGS

RC: UNK

NANO: No

SUBSTANCE ROLE: Binder

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The company only disclosed that the wood dust was 50-100% of the core's chemical composition. The cut sheet for the product lists that it uses NAF adhesive. NAF-based resins are resins formulated with no added formaldehyde as part of the resin cross-linking structure and include resins made from soy, polyvinyl acetate, or methylene diisocyanate. Resins in particleboard can be 0-40% by composition so the substances will be screened and adjusted accordingly. In addition, this product is FSC certified and CARB certified.

SC:BIO:WOODVENEER

%: 7.4200

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Wood or Lumber

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- Pair uses a variety of domestic veneers for this collection. They also use laminate therefore this is an alternate material.
SC: DOMESTIC WOOD VENEER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17

%: 100.0000
GS: Not Screened
RC: UNK
NANO: No
SUBSTANCE ROLE: Structure component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SUBSTANCE NOTES:
Version: SCBioMats/2018-02-23
Category: Tree-based materials
Identifier: Domestic Veneer, various choices

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

METAL LEGS

%: 2.0000

PRODUCT THRESHOLD: 100 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

OTHER MATERIAL NOTES: This includes the 16 gauge metal tubing and mounting plate for options with tube legs. These come from two different manufacturers therefore there is a range of composition. Both are essentially sheet metal (carbon steel). Includes all options for legs including the sled base.

IRON, ELEMENTAL (PRIMARY CASRN IS 7439-89-6)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17

%: 97.0000 - 100.0000
GS: LT-P1
RC: UNK
NANO: No
SUBSTANCE ROLE: Alloy element

ENDOCRINE
TEDX - Potential Endocrine Disruptors
Potential Endocrine Disruptor

SUBSTANCE NOTES: Per the PubChem database: Blast furnace pig iron contains silicon, sulfur, phosphorus, manganese and carbon.

MANGANESE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17

%: 1.1000 - 1.6500
GS: LT-P1
RC: UNK
NANO: No
SUBSTANCE ROLE: Alloy element
### Endocrine

**Agency and List Titles:** TEDX - Potential Endocrine Disruptors  
**Warnings:** Potential Endocrine Disruptor

### Multiple

**Agency and List Titles:** German FEA - Substances Hazardous to Waters  
**Warnings:** Class 2 - Hazard to Waters

### Reproductive

**Agency and List Titles:** GHS - Japan  
**Warnings:** Toxic to reproduction - Category 1B [H360]

**Substance Notes:** Aluminum is a common residual but is below the threshold. "Production of manganese metal is achieved by aluminum reduction of low iron-content manganese ore, and electrolytically from sulfate or chloride solution (Lewis 2001)." (ATSDR) Manganese with <0.1% metallic impurities can be produced electrolytically from a manganese sulfate solution (EPA 1984; Lewis 2001)." (ATSDR)

### Copper

**ID:** 7440-50-8  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** 0.3500  
**GS:** LT-P1  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Alloy element

**Agency and List Titles:** German FEA - Substances Hazardous to Waters  
**Warnings:** Class 2 - Hazard to Waters

**Substance Notes:** About 80% of the primary copper in the world comes from low-grade or poor sulfide ores, which are usually treated by pyrometallurgical methods, generally in the following sequence: (1) Beneficiation by froth flotation of ore to copper concentrate; (2) Optional partial roasting to obtain oxidized material or calcines; (3) two-stage pyrometallurgical extraction, (a) smelting concentrates to matte, (b) converting matte by oxidation to crude (converter or blister) copper; (4) Refining the crude copper, usually in two steps, (a) pyrometallurgically to fire-refined copper, (b) electrolytically to high-purity electrolytic copper.  

### Silicon, Elemental

**ID:** 7440-21-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** Impurity/Residual  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual

**Agency and List Titles:** None found

**Warnings:** No warnings found on HPD Priority Hazard Lists

**Substance Notes:**

### Sulfur, Precipitated

**ID:** 7704-34-9  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** Impurity/Residual  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual

**Agency and List Titles:** None found

**Warnings:** No warnings found on HPD Priority Hazard Lists

**Substance Notes:**
### PHOSPHORUS

**ID:** 7723-14-0

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

**PHYSICAL HAZARD (REACTIVE)**

**EU - GHS (H-Statements)**

H228 - Flammable solid

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**SUBSTANCE NOTES:**

**REPRODUCTIVE**

**GHS - Japan**

Toxic to reproduction - Category 1B [H360]

**None found**

**No warnings found on HPD Priority Hazard Lists**

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### MANGANESE

**ID:** 7439-96-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

**PHYSICAL HAZARD (REACTIVE)**

**EU - GHS (H-Statements)**

H228 - Flammable solid

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**SUBSTANCE NOTES:**

**REPRODUCTIVE**

**GHS - Japan**

Toxic to reproduction - Category 1B [H360]

**None found**

**No warnings found on HPD Priority Hazard Lists**

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### CARBON

**ID:** 7440-44-0

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

**PHYSICAL HAZARD (REACTIVE)**

**EU - GHS (H-Statements)**

H228 - Flammable solid

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**SUBSTANCE NOTES:**

**REPRODUCTIVE**

**GHS - Japan**

Toxic to reproduction - Category 1B [H360]

**None found**

**No warnings found on HPD Priority Hazard Lists**
### Wood Dust - Unspecified

**ID:** Not registered

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2020-07-17</td>
<td>25.0000 - 75.0000</td>
<td>NoGS</td>
<td>UNK</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**Agency and List Titles:**

<table>
<thead>
<tr>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td></td>
</tr>
</tbody>
</table>

**Substance Notes:**

No additional information was listed on the SDS for Wood Dust - Unspecified.

### Cellulose, Microcrystalline

**ID:** 9004-34-6

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2020-07-17</td>
<td>10.0000 - 20.0000</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**Agency and List Titles:**

<table>
<thead>
<tr>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**Substance Notes:**

Cellulose, Microcrystalline was considered due to the presence of formaldehyde resins. It is listed on the SDS as a possible resin.

### Undisclosed

**ID:** Not registered

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharos Chemical and Materials Library</td>
<td>2020-07-17</td>
<td>10.0000 - 30.0000</td>
<td>LT-P1</td>
<td>UNK</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**Agency and List Titles:**

<table>
<thead>
<tr>
<th>Agency and List Titles</th>
<th>WARNINGS</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**Substance Notes:**

This is a possible substance. Due to manufacturer proprietary information the exact composition is unknown. This is listed on the SDS as a possible resin.
### POWDER COAT FINISH FOR METAL LEGS

**%:** 0.2000 - 0.5500

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

**OTHER MATERIAL NOTES:** This option covers all colors and contains alternate materials based on different pigments.

**1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BENZENEDICARBOXYLIC ACID, 2,2-DIMETHYL-1,3-PROPanEDIOL, 1,2-ETHANEDIOL AND HEXANEDIIOIC ACID**

**ID:** 40471-09-8

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### TITANIUM DIOXIDE

**ID:** 13463-67-7

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### FILTER OUT LOCALIZED EXPOSURE CONSIDERED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** 50.0000 - 60.0000  
**GS:** NoGS  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Monomer

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:**

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** 10.0000 - 30.0000  
**GS:** NoGS  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** This substance is listed as a possible in the chemical composition. The manufacturer will not disclose the exact resin but simply states the family that it belongs to. All resins in the family are screened and listed as possible ingredients.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** 10.0000 - 30.0000  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** This substance is listed as a possible in the chemical composition. The manufacturer will not disclose the exact resin but simply states the family that it belongs to. All resins in the family are screened and listed as possible ingredients.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**%:** 10.0000 - 30.0000  
**GS:** NoGS  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** This substance is listed as a possible in the chemical composition. The manufacturer will not disclose the exact resin but simply states the family that it belongs to. All resins in the family are screened and listed as possible ingredients.
<table>
<thead>
<tr>
<th>%: 25.0000 - 50.0000</th>
<th>GS: LT-1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Pigment</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>CANCER</th>
<th>US CDC - Occupational Carcinogens</th>
<th>Occupational Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This is not in all color options and therefore the depending on the color choice this substance is a "may contain".

**PYROMELLITIC ACID 2-PHENYL-2-IMIDAZOLINE SALT (1:1)**

<table>
<thead>
<tr>
<th>%: 2.5000 - 10.0000</th>
<th>GS: LT-P1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Coating</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>MULTIPLE</th>
<th>German FEA - Substances Hazardous to Waters</th>
<th>Class 2 - Hazard to Waters</th>
</tr>
</thead>
</table>

**SUBSTANCE NOTES:**

**TRIGLYCIDYL ISOCYANurate**

<table>
<thead>
<tr>
<th>%: 2.5000 - 10.0000</th>
<th>GS: LT-1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Curing agent</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>EU - SVHC Authorisation List</td>
<td>Mutagenic - Candidate list</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td>H301 - Toxic if swallowed</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H318 - Causes serious eye damage</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td>H331 - Toxic if inhaled</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H340 - May cause genetic defects</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>MAK</td>
<td>Sensitizing Substance Sah - Danger of airway &amp; skin sensitization</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - Korea</td>
<td>Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>EU - Annex VI CMRs</td>
<td>Mutagen - Category 1B</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - New Zealand</td>
<td>6.6A - Known or presumed human mutagens</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - Japan</td>
<td>Germ cell mutagenicity - Category 1B [H340]</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

**BARIUM SULFATE**

- ID: 7727-43-7
- HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
- HAZARD SCREENING DATE: 2020-07-17
- %: 2.5000 - 10.0000
- GS: BM-2
- RC: UNK
- NANO: No
- SUBSTANCE ROLE: Pigment

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
|-----------------|---------------------------|---------------------------------
| CANCER          | MAK                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |

**SUBSTANCE NOTES:** This substance is not in all color options and should be considered a "may contain".

**ALUMINUM OXIDE**

- ID: 1344-28-1
- HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
- HAZARD SCREENING DATE: 2020-07-17
- %: 0.1000 - 2.5000
- GS: BM-2
- RC: UNK
- NANO: No
- SUBSTANCE ROLE: Abrasive

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

The Oscar Collection
hpdrepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 11 of 31
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**QUARTZ**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17

| %: 0.1000 - 1.0000 | GS: LT-1 | RC: UNK | NANO: No | SUBSTANCE ROLE: Abrasion resistance |

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This is not in all color options therefore it is a "may contain" depending on the color choice.

**ALUMINUM HYDROXIDE, DRIED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17

| %: 0.0000 - 2.5000 | GS: BM-2 | RC: UNK | NANO: No | SUBSTANCE ROLE: Filler |

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This is not in all color options therefore it is a "may contain" depending on the color choice.

**KAOLIN**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17
<table>
<thead>
<tr>
<th>Substance</th>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>SUBSTANCE ROLE</th>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>UV CURED WOOD FINISH</td>
<td>0.1000 - 0.6000</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Filler</td>
<td>Cancer</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Substances Notes: Based in SDS this substance is a &quot;may contain&quot; and may not appear in all color choices.</td>
</tr>
</tbody>
</table>

**BISPHENOL A-EPICHLOROHYDRIN ACRYLATE**

- **ID:** 55818-57-0
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17
- **%:** 25.0000 - 50.0000
- **GS:** BM-1
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Film former
- **HAZARD TYPE:**なし
- **AGENCY AND LIST TITLES:**なし
- **WARNINGS:**None found
- **SUBSTANCE NOTES:**The residual monomer content of bisphenol-A in the epoxy resin as produced is a maximum of 1,000 ppm. The residual bisphenol-A will be further reacted when the product is used (i.e. when the epoxy resin is cured). EU Risk Assessment, 2003

**DIPROPYLENE GLYCOL DIACRYLATE**

- **ID:** 57472-68-1
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17
- **%:** 10.0000 - 25.0000
- **GS:** LT-UNK
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Antioxidant
- **HAZARD TYPE:**なし
- **AGENCY AND LIST TITLES:**なし
- **WARNINGS:**None found
- **SUBSTANCE NOTES:**なし

**TRIPROPYLENE GLYCOL DIACRYLATE**

- **ID:** 42978-66-5
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17
- **%:** 0.0000 - 2.5000
- **GS:** LT-UNK
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Filler
- **HAZARD TYPE:**なし
- **AGENCY AND LIST TITLES:**なし
- **WARNINGS:**None found
- **SUBSTANCE NOTES:**なし
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H411 - Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** No known impurities.

---

**BISPHENOL A**

**ID:** 80-05-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS: BM-1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Impurity/Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurity/Residual</td>
<td>GS: BM-1</td>
<td>RC: UNK</td>
<td>NANO: No</td>
<td>SUBSTANCE ROLE: Impurity/Residual</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>EU - Priority Endocrine Disruptors</td>
<td>Category 1 - In vivo evidence of Endocrine Disruption Activity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>CA EPA - Prop 65</td>
<td>Reproductive Toxicity - Female</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - SVHC Authorisation List</td>
<td>Toxic to reproduction - Candidate list</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>OSPAR - Priority PBTs &amp; EDs &amp; equivalent concern</td>
<td>Endocrine Disruptor - Substance of Possible Concern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>US NIH - Reproductive &amp; Developmental Monographs</td>
<td>Clear Evidence of Adverse Effects - Developmental Toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>US NIH - Reproductive &amp; Developmental Monographs</td>
<td>Some Evidence of Adverse Effects - Reproductive Toxicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESTRICTED LIST</td>
<td>US EPA - PPT Chemical Action Plans</td>
<td>TSCA Work Plan chemical - Action Plan in development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H318 - Causes serious eye damage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - GHS (H-Statements)</td>
<td>H360F - May damage fertility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>ChemSec - SIN List</td>
<td>Endocrine Disruption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance SP - Danger of photocontact sensitization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Japan</td>
<td>Toxic to reproduction - Category 1B [H360]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - Annex VI CMRs</td>
<td>Reproductive Toxicity - Category 1B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BISPHENOL A**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**ID:** 80-05-7

**%:** Impurity/Residual  
**GS:** BM-1  
**RG:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual

---

SUBSTANCE NOTES: The residual monomer content of bisphenol-A in the epoxy resin as produced is a maximum of 1,000 ppm. The residual bisphenol-A will be further reacted when the product is used (i.e. when the epoxy resin is cured)." (EU Risk Assessment, 2003)
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDOCRINE</td>
<td>EU - Priority Endocrine Disruptors</td>
<td>Category 1 - In vivo evidence of Endocrine Disruption Activity</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>CA EPA - Prop 65</td>
<td>Reproductive Toxicity - Female</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - SVHC Authorisation List</td>
<td>Toxic to reproduction - Candidate list</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>OSPAR - Priority PBTs &amp; EDs &amp; equivalent concern</td>
<td>Endocrine Disruptor - Substance of Possible Concern</td>
</tr>
<tr>
<td>DEVELOPMENTAL</td>
<td>US NIH - Reproductive &amp; Developmental Monographs</td>
<td>Clear Evidence of Adverse Effects - Developmental Toxicity</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>US NIH - Reproductive &amp; Developmental Monographs</td>
<td>Some Evidence of Adverse Effects - Reproductive Toxicity</td>
</tr>
<tr>
<td>RESTRICTED LIST</td>
<td>US EPA - PPT Chemical Action Plans</td>
<td>TSCA Work Plan chemical - Action Plan in development</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H318 - Causes serious eye damage</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - GHS (H-Statements)</td>
<td>H360F - May damage fertility</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
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<tr>
<td>ENDOCRINE</td>
<td>ChemSec - SIN List</td>
<td>Endocrine Disruption</td>
</tr>
<tr>
<td>ENDOCRINE</td>
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<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance SP - Danger of photocontact sensitization</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>GHS - Japan</td>
<td>Toxic to reproduction - Category 1B [H360]</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>EU - Annex VI CMRs</td>
<td>Reproductive Toxicity - Category 1B</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** The residual monomer content of bisphenol-A in the epoxy resin as produced is a maximum of 1,000 ppm. The residual bisphenol-A will be further reacted when the product is used (i.e. when the epoxy resin is cured). (EU Risk Assessment, 2003)

**EPICHLOROHYDRIN**

**ID:** 106-89-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**%:** Impurity/Residual  
**GS:** LT-1  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2a - Agent is probably Carcinogenic to humans</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>EU - Priority Endocrine Disruptors</td>
<td>Category 1 - In vivo evidence of Endocrine Disruption Activity</td>
</tr>
<tr>
<td>REPRODUCTIVE</td>
<td>CA EPA - Prop 65</td>
<td>Reproductive Toxicity - Male</td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Reasonably Anticipated to be Human Carcinogen</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td>H301 - Toxic if swallowed</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td>H311 - Toxic in contact with skin</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H314 - Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>EU - GHS (H-Statements)</td>
<td>H331 - Toxic if inhaled</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - REACH Annex XVII CMRs</td>
<td>Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>ChemSec - SIN List</td>
<td>CMR - Carcinogen, Mutagen &amp;/or Reproductive Toxicant</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 2 - Considered to be carcinogenic for man</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>US EPA - EPCRA Extremely Hazardous Substances</td>
<td>Extremely Hazardous Substances</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Korea</td>
<td>Carcinogenicity - Category 1 [H350 - May cause cancer]</td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - Annex VI CMRs</td>
<td>Carcinogen Category 1B - Presumed Carcinogen based on animal evidence</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - New Zealand</td>
<td>6.6A - Known or presumed human mutagens</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1B [H350]</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Malaysia</td>
<td>H350 - May cause cancer</td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - Australia</td>
<td>H340 - May cause genetic defects</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350 - May cause cancer</td>
</tr>
</tbody>
</table>
**Epichlorohydrin (ECH), 1-chloro-2,3-epoxypropane**, is a raw material used in the production of epoxy resins, synthetic glycerol, elastomers, paper, and pharmaceuticals [1-2]. ECH can enter drinking water supplies by leaching from epoxy resin coatings on pipes or through flocculating agents in water treatment. (Agilent Technologies)

### Dipropylene Glycol (Primary CASRN IS 25265-71-8)

**ID:** 78644-49-2

<table>
<thead>
<tr>
<th>%:</th>
<th>Impurity/Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS:</td>
<td>LT-UNK</td>
</tr>
<tr>
<td>RC:</td>
<td>UNK</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Listed as <1.0% content in BASF MSDS for commercial DGMA (Laromer DPGDA).

### Silicon Dioxide

**ID:** 7631-86-9

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 10.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS:</td>
<td>BM-1</td>
</tr>
<tr>
<td>RC:</td>
<td>UNK</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Abrasion resistance</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

**WARNINGs**

- CANCER
  - GHS - Japan
  - Carcinogenicity - Category 1A [H350]


### Hydrochloric Acid

**ID:** 7647-01-0

<table>
<thead>
<tr>
<th>%:</th>
<th>Impurity/Residual</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS:</td>
<td>BM-2</td>
</tr>
<tr>
<td>RC:</td>
<td>UNK</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rr) - irritant-induced

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**MISC. HARDWARE**

PRODUCT THRESHOLD: 100 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

OTHER MATERIAL NOTES: The HPD Collaborative is currently developing a special condition for this category.

**IRON, ELEMENTAL**

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17

%: 90.0000 - 97.0000
GS: LT-P1
RC: UNK
NANO: No
SUBSTANCE ROLE: Alloy element

HAZARD TYPE

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td></td>
<td>Potential Endocrine Disruptor</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Residuals and impurities were screened using the Pharos database. None listed. Per the PubChem database: Blast furnace pig iron contains silicon, sulfur, phosphorus, manganese and carbon. All impurities are below the threshold.

**WOOD ADHESIVE 1**

%: 0.0000 - 5.0000

RESIDUALS AND IMPURITIES CONSIDERED: Yes
MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

OTHER MATERIAL NOTES: This furniture collection can contain one of two wood adhesives or both. The low option they have the maximum percentage of composition by weight of 1.5% for low option and 5% for the high option. In the HPD they are listed as adhesive 1 and adhesive 2. This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

**POLYVINYL ACETATE**

ID: 9003-20-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17
## WATER

**ID:** 7732-18-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: BM-4</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Solvent</th>
</tr>
</thead>
</table>

None found  
None found

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
**None found**  
**No warnings found on HPD Priority Hazard Lists**  

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

---

## TALC

**ID:** 14807-96-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: BM-1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

CANCER  
IARC  
Group 2b - Possibly carcinogenic to humans

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

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

Actinolite, anthophyllite and tremolite may occur in some talc deposits; when asbestiform, they constitute asbestos and, when not asbestiform, they are referred to as mineral fragments or cleavage fragments.” and “Minerals commonly found in talc products include chlorite and carbonate. Less commonly, talc products contain tremolite, anthophyllite and serpentine.”


---

## 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE

**ID:** 6846-50-0  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%:</th>
<th>GS: LT-UNK</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Binder</th>
</tr>
</thead>
</table>

None found  
No warnings found on HPD Priority Hazard Lists

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
**None found**  
**No warnings found on HPD Priority Hazard Lists**  

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.
### DIPROPYLENE GLYCOL MONOMETHYL ETHER

**ID:** 34590-94-8

<table>
<thead>
<tr>
<th>%</th>
<th>0.1000 - 0.7000</th>
<th>GS: LT-UNK</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Defoamer</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**WARNINGS:**
None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

### ALUMINUM CHLORIDE

**ID:** 7446-70-0

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 1.2200</th>
<th>GS: LT-P1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Curing agent</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**AGENCY AND LIST TITLES:**

**WARNINGS:**

**RESPIRATORY**

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

**SKIN IRRITATION**

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

### POLYVINYL ALCOHOL

**ID:** 9002-89-5

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 1.2200</th>
<th>GS: LT-UNK</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**WARNINGS:**
None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.
This is a PVA interior wood glue. The database of common building materials was used to supplement the information given by the manufacturer. Citing proprietary information the manufacturer would not disclose the chemical inventory to 100 ppm. The information in the database was used as a supplement and should not be accepted as absolute. Every effort was made to make a complete inventory and screening of all materials.

**WOOD ADHESIVE 2**

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 5.0000</th>
</tr>
</thead>
</table>

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

**OTHER MATERIAL NOTES:** This furniture collection can contain one of two wood adhesives or both. The low option they have the maximum percentage of composition by weight of 1.5% for low option and 5% for the high option. In the HPD they are listed as adhesive 1 and adhesive 2. This has one missing ingredient that is at the threshold of 0.01. It is highly proprietary and the company will not disclose. All other ingredients are disclosed. The ingredient is listed as a resin dispersion.

**WATER (PRIMARY CASRN IS 7732-18-5)**

<table>
<thead>
<tr>
<th>%:</th>
<th>40.0000 - 50.0000</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**GS:** BM-4  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Solvent

<table>
<thead>
<tr>
<th>None found</th>
</tr>
</thead>
</table>

**Hazard Type**  
**Agency and List Titles**  
**Warnings**

| No warnings found on HPD Priority Hazard Lists |

**SUBSTANCE NOTES:**

**POLYCHLOROPRENE**

<table>
<thead>
<tr>
<th>%:</th>
<th>30.0000 - 40.0000</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**GS:** LT-UNK  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Adhesive

<table>
<thead>
<tr>
<th>None found</th>
</tr>
</thead>
</table>

**Hazard Type**  
**Agency and List Titles**  
**Warnings**

| No warnings found on HPD Priority Hazard Lists |

**SUBSTANCE NOTES:**

**ZINC OXIDE**

<table>
<thead>
<tr>
<th>%:</th>
<th>1.0000 - 3.0000</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-17  
**GS:** BM-1  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Accelerator

<table>
<thead>
<tr>
<th>None found</th>
</tr>
</thead>
</table>

**Hazard Type**  
**Agency and List Titles**  
**Warnings**

| No warnings found on HPD Priority Hazard Lists |

**SUBSTANCE NOTES:**
RESIN ACIDS AND ROSIN ACIDS, FUMARATED, CALCIUM SALTS

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-17

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES:

RESIN ACIDS AND ROSIN ACIDS, FUMARATED, CALCIUM SALTS

| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |
| HAZARD SCREENING DATE: 2020-07-17 |
| %: 0.1000 - 5.0000 |
| GS: LT-P1 |
| RC: UNK |
| NANO: No |
| SUBSTANCE ROLE: Filler |

SC:BIO:PARTICLEBOARDFORDOORCONSTRUCTION

PRODUCT THRESHOLD: 100 ppm
RESIDUALS AND IMPURITIES CONSIDERED: Yes
MATERIAL TYPE: Wood Dust, Fiber or Chips

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

OTHER MATERIAL NOTES: SpecialConditionApplied:BiologicalMaterial --- The birch core board is used for door construction only. It is an alternate material because it only appears in the configurations with doors. This product's manufacturer listed the binder as 0-40% containing alkali and phenol-formaldehyde resin. This percentage range is larger than the required 10% difference but due to proprietary reasons, this is what the manufacturer would disclose.
SC:WOOD DUST

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-07-17

%: 60.0000 - 100.0000  GS: Not Screened  RC: UNK  NANO: No  SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES:
Version: SCBioMats/2018-02-23
Category: Tree-based materials
Identifier: birch, thin-leaved deciduous hardwood tree of the genus Betula, wood dust

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

This product's manufacturer listed the binder as 0-40% containing alkali and phenol-formaldehyde resin. This percentage range is larger than the required 10% difference but due to proprietary reasons, this is what the manufacturer would disclose.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-07-17

%: 0.0000 - 40.0000  GS: LT-P1  RC: UNK  NANO: No  SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

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

SUBSTANCE NOTES: This product's manufacturer listed the binder as 0-40% containing alkali and phenol-formaldehyde resin. This percentage range is larger than the required 10% difference but due to proprietary reasons, this is what the manufacturer would disclose.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-07-17

%: 0.0000 - 40.0000  GS: LT-P1  RC: UNK  NANO: No  SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY  AOEC - Asthmagens  Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: This product's manufacturer listed the binder as 0-40% containing alkali and phenol-formaldehyde resin. This percentage range is larger than the required 10% difference but due to proprietary reasons, this is what the manufacturer would disclose.
### LAMINATE

- **PRODUCT THRESHOLD:** 100 ppm
- **RESIDUALS AND IMPURITIES CONSIDERED:** Yes
- **MATERIAL TYPE:** Paper or Cardboard

Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

**OTHER MATERIAL NOTES:** Laminate is an alternate option to wood veneer in this collection. To fill in the gaps of the manufacturer data the Pharos common building material database was used.

---

### SC: KRAFT PAPER

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%: 50.0000 - 50.9700</th>
<th>GS: Not Screened</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARD TYPE:**

**AGENCY AND LIST TITLES:**

**WARNINGS:**

Hazard Screening not performed

**SUBSTANCE NOTES:**

Version: SCBioMats/2018-02-23
Category: Tree-based materials
Identifier: Generic wood pulp

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

---

### PHENOL-FORMALDEHYDE RESIN

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%: 20.0000 - 23.9800</th>
<th>GS: LT-P1</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARD TYPE:**

**AGENCY AND LIST TITLES:**

**WARNINGS:**

Respiratory
- AOEC - Asthmagens
  - Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Information is based on the database of common building materials.

---

### CELLULOSE, MICROCRYSTALLINE

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-17

<table>
<thead>
<tr>
<th>%: 3.6100 - 10.0500</th>
<th>GS: LT-UNK</th>
<th>RC: UNK</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARD TYPE:**

**AGENCY AND LIST TITLES:**

**WARNINGS:**

Respiratory
- AOEC - Asthmagens
  - Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** This information is based on the database of common building materials.
### MELAMINE/FORMALDEHYDE RESIN

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0100 - 0.3400</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Polymer species</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**
- None found

**AGENCY AND LIST TITLES**
- No warnings found on HPD Priority Hazard Lists

**WARNINGS**

**SUBSTANCE NOTES:** The material laminate was supplemented with information from the database of common building materials.

### TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0000 - 9.4400</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
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<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Pigment</td>
</tr>
</tbody>
</table>

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

**WARNINGS**

**SUBSTANCE NOTES:** Laminate is an alternate option to wood veneer in this collection. To fill in the gaps of the manufacturer data the Pharos common building material database was used.

### POLYNOXYLIN

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0000 - 4.8900</td>
<td>GS: LT-P1</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Monomer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**
- RESPIRATORY
  - AOEC - Asthmagens: Asthmaegn (Rs) - sensitizer-induced

**WARNINGS**

**SUBSTANCE NOTES:** Information for laminate was supplemented with information from the database of common building materials.

### HEXANEDIOIC ACID, POLYMER WITH N-(2-AMINOETHYL)-1,2-ETHANEDIAMINE, REACTION PRODUCTS WITH DIMETHYLAMINE AND EPICHLOROHYDRIN

| ID: 68583-79-9 |

The Oscar Collection
hpcrepository.hpd-collaborative.org
### HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

### %: 0.0000 - 0.3300

**GS:** LT-UNK

**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Polymer species

### HAZARD TYPE

None found

### AGENCY AND LIST TITLES

No warnings found on HPD Priority Hazard Lists

### WARNINGS

**SUBSTANCE NOTES:** The material laminate was supplemented with information from the database of common building materials.

---

### WHITE MELAMINE

**%:** 0.0000 - 12.0000

**PRODUCT THRESHOLD:** 100 ppm

**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**MATERIAL TYPE:** Polymeric Material

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested.

**OTHER MATERIAL NOTES:** This is an alternate material and does not appear in all Oscar configurations. It is used for interior shelving and is similar to laminate. To fill in any data gaps from the manufacturer the Pharos database of common building materials was used.

---

### SC: KRAFT PAPER

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**%:** 75.0000 - 90.0000

**GS:** Not Screened

**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Structure component

### HAZARD TYPE

Hazard Screening not performed

### AGENCY AND LIST TITLES

**SUBSTANCE NOTES:**

*Version: SCBioMats/2018-02-23*

*Category: Plant-based materials*

*Identifier: Kraft paper is made from wood pulp*

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

---

### PHENOL-FORMALDEHYDE RESIN

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-17

**%:** 20.0000 - 25.0000

**GS:** LT-P1

**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Binder

### HAZARD TYPE

**RESPIRATORY**

**AOEC - Asthmagens**

**Asthmagen (Rs) - sensitizer-induced**

**SUBSTANCE NOTES:** Information gaps from the manufacturer were filled in using the database of common building materials, laminate.
**CELLULOSE, MICROCRYSTALLINE**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 3.0000 - 6.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
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<td></td>
<td>NANO: No</td>
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<tr>
<td>SUBSTANCE ROLE: Filler</td>
<td></td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>RESPIRATORY</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>AOECC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
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</table>

**MELAMINE/FORMALDEHYDE RESIN**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.3400 - 1.0000</td>
<td>GS: LT-UNK</td>
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<tr>
<td></td>
<td>RC: UNK</td>
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<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Polymer species</td>
<td></td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>WARNINGS</td>
<td></td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

**KRAFT LIGNIN**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: Impurity/Residual</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: UNK</td>
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<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Impurity/Residual</td>
<td></td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>WARNINGS</td>
<td></td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Impurity of Cellulose fiber processing.

"The pulping process separates the cellulose from the lignin and hemicellulose (structurally unrelated polysaccharides), leaving it in a fibrous form that is purified, dried, and shipped in large rolls" (USDA)

The paper later describes the Kraft process as one method of delignification.

**RUBBERMAID OFFICE TRASH CAN**

| %: 0.0000 - 2.0000                                            | PRODUCT THRESHOLD: 100 ppm        |
|                                                             | RESIDUALS AND IMPURITIES CONSIDERED: Yes |
|                                                             | MATERIAL TYPE: Polymeric Material  |

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered using the Pharos database of peer-reviewed scientific data on building materials and substances. Any recorded impurities are for reference purposes only. No actual material was tested. Lithner, Delilah, et al. Environmental and health hazard ranking and assessment of plastic polymers based on chemical composition. Science of the Total Environment (2011).
OTHER MATERIAL NOTES: This is an option and is not standard in all Oscar models. The Rubbermaid Commercial Deskside trash can is a rectangular, injection-molded linear low-density polyethylene (LLDPE) garbage can suitable for offices and other business and public environments.

---

### POLYETHYLENE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
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</thead>
<tbody>
<tr>
<td>%: 100.0000</td>
<td>GS: LT-UNK</td>
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<td></td>
<td>RC: UNK</td>
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<td></td>
<td>NANO: No</td>
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<tr>
<td></td>
<td>SUBSTANCE ROLE: Structure component</td>
</tr>
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</table>

HAZARD TYPE

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>


---

### DILAUROYL PEROXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2020-07-17</th>
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</thead>
<tbody>
<tr>
<td>%: Impurity/Residual</td>
<td>GS: LT-UNK</td>
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<tr>
<td></td>
<td>RC: UNK</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Impurity/Residual</td>
</tr>
</tbody>
</table>

HAZARD TYPE

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>Systems and tables:</td>
</tr>
</tbody>
</table>

| ISSUE DATE: | 2018-12-17 |
| EXPIRY DATE: | 2020-12-17 |
| CERTIFIER OR LAB: | SCS Global |

CERTIFICATION AND COMPLIANCE NOTES: #SCS-IAQ-05854

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

With 2500 possible combinations to this product line, we conducted this HPD with a "low" and"high" option to configure the percentage of material composition for all materials and substances. The "low" option is Oscar with open cubbies, six compartments, post radius legs, and a dimension of 60" x 18". For the "high" option we used Oscar with four doors and drawers, a sled base, and a dimension of 72" x 18". All other configurations are within this range. All impurities and residuals reported as part of the screening process are based on peer-reviewed scientific data about that substance and are not a guarantee of presence in the actual material. NO actual materials were tested for impurities and residuals therefore the information provided is for reference only. The Pharos database was used.
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.