Roppe Rubber Stair Treads with DuPont™ Kevlar®
by Roppe Corporation

CLASSIFICATION: 09650

PRODUCT DESCRIPTION: Roppe has engineered the world’s first rubber stair treads with DuPont™ Kevlar® because your stairs are being put to the test every single day. From normal wear and tear to downright abuse, Roppe Rubber Stair Treads with DuPont™ Kevlar® will resist damage that detracts from the appearance and safety of your stairs – not just for a few years. For decades. Rubber Treads with Kevlar are free of Red List chemicals, PVC, phthalates and halogens. They are made in the U.S.A. and meet FloorScore®, NSF332 Platinum and CHPS criteria. Rubber Treads with Kevlar fully conform with ASTM F2169, Type TS and provide unrivaled durability and reliability backed by our industry-leading 25-year warranty.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Explanation(s) provided for Residuals/Impurities?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Yes</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td></td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Per OSHA MSDS</td>
<td>Not Considered</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
----------------------------------|-----------|----------------------|-------------------|
ROPPE RUBBER STAIR TREADS WITH DUPONT™ KEVLAR® | KAOLIN CLAY LT-UNK | STYRENE BUTADIENE RUBBER (SBR) LT-UNK | EPOXIDIZED SOYBEAN OIL LT-UNK | PARA-ARAMID FIBRILS LT-UNK | MUL UNDISCLOSED LT-UNK |
| NoGS UNDISCLOSED LT-UNK | UNDISCLOSED LT-P1 | AQU | SKI | MUL |
| UNDISCLOSED BM-1 | RES | AQU | MUL UNDISCLOSED LT-1 | CAN | MUL |
| UNDISCLOSED LT-1 | CAN | MUL UNDISCLOSED BM-2 | END | MUL |
| UNDISCLOSED LT-P1 | MUL | UNDISCLOSED LT-UNK | UNDISCLOSED LT-P1 | END |
| UNDISCLOSED LT-UNK | UNDISCLOSED LT-1 | CAN | END | UNDISCLOSED BM-2 | CAN |
| UNDISCLOSED LT-1 | CAN | END | UNDISCLOSED LT-P1 | END |
| UNDISCLOSED LT-UNK | CAN | END | UNDISCLOSED LT-P1 | END |
| UNDISCLOSED LT-P1 | MUL | UNDISCLOSED LT-UNK | UNDISCLOSED LT-P1 | END |

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: RFCI FloorScore IAQ Certified
- 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: 2020-01-20

PUBLISHED DATE: 2020-01-27

EXPIRY DATE: 2023-01-20

Roppe Rubber Stair Treads with DuPont Kevlar
hpdrepository.hpd-collaborative.org
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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

### Roppe Rubber Stair Treads with DuPont™ Kevlar®

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities were “Considered”, as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier disclosure letter and as predicted by process chemistry (Pharos CML).

**OTHER PRODUCT NOTES:** Percentage (%) provided as a range to protect proprietary information.

### Kaolin Clay

**ID:** 1332-58-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-01-20

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>50.00 - 62.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Mineral filler</td>
</tr>
</tbody>
</table>

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

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

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

### Styrene Butadiene Rubber (SBR)

**ID:** 9003-55-8  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-01-20

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.00 - 32.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Polymer</td>
</tr>
</tbody>
</table>

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

None found  
No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** A residual of 6PPD (CASRN 793-24-8) is expected to be present based upon process chemistry via the Pharos Chemical and Materials Library. However, this substance is not included in the content inventory because supplier documentation indicates that 6PPD is not used in the manufacturing process.

### Undisclosed

Roppe Rubber Stair Treads with DuPont Kevlar  
hpdrepository.hpd-collaborative.org  
HPD v2.1.1 created via HPDC Builder Page 2 of 11
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

%: 3.00 - 5.00
GS: LT-UNK
RC: None
NANO: No
ROLE: Process Aid

None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

%: 1.20 - 1.60
GS: NoGS
RC: None
NANO: No
ROLE: Process Aid

None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

%: 1.10 - 1.30
GS: LT-UNK
RC: None
NANO: No
ROLE: Process Aid

None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

EPOXIDIZED SOYBEAN OIL

%: 1.00 - 2.00
GS: LT-UNK
RC: None
NANO: No
ROLE: Process Aid

None found
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None.
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

| %: 0.80 - 1.20 | GS: LT-P1 | RC: None | NANO: No | ROLE: Process Aid |

HAZARD TYPE  
AGENCY AND LIST TITLES  
WARNINGS

ACUTE AQUATIC  
EU - GHS (H-Statements)  
H400 - Very toxic to aquatic life

CHRON AQUATIC  
EU - GHS (H-Statements)  
H410 - Very toxic to aquatic life with long lasting effects

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: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

| %: 0.80 - 1.20 | GS: LT-UNK | RC: None | NANO: No | ROLE: Process Aid |

HAZARD TYPE  
AGENCY AND LIST TITLES  
WARNINGS

None found  
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

PARA-ARAMID FIBRILS

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

| %: 0.70 - 1.50 | GS: LT-UNK | RC: None | NANO: No | ROLE: Strengthening Agent |

HAZARD TYPE  
AGENCY AND LIST TITLES  
WARNINGS

None found  
No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Percentage (%) provided as a range to protect proprietary information.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

| %: 0.60 - 1.00 | GS: BM-1 | RC: None | NANO: No | ROLE: Process Aid |

HAZARD TYPE  
AGENCY AND LIST TITLES  
WARNINGS

None found  
No warnings found on HPD Priority Hazard Lists
### HAZARD TYPE
- **RESPIRATORY**
- **ACUTE AQUATIC**
- **CHRON AQUATIC**
- **MULTIPLE**

### AGENCY AND LIST TITLES
- **AOEC - Asthmagens**
- **EU - GHS (H-Statements)**
- **EU - GHS (H-Statements)**
- **German FEA - Substances Hazardous to Waters**

### WARNINGS
- **Asthmagen (Rs) - sensitizer-induced**
- **H400 - Very toxic to aquatic life**
- **H410 - Very toxic to aquatic life with long lasting effects**
- **Class 2 - Hazard to Waters**

---

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-01-20

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40 - 0.80</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Process Aid</td>
</tr>
</tbody>
</table>

### HAZARD TYPE
- **CANCER**
- **MULTIPLE**
- **CANCER**
- **CANCER**

### AGENCY AND LIST TITLES
- **EU - GHS (H-Statements)**
- **EU - REACH Annex XVII CMRs**
- **ChemSec - SIN List**
- **EU - Annex VI CMRs**
- **GHS - Australia**

### WARNINGS
- **H350 - May cause cancer**
- **Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man**
- **CMR - Carcinogen, Mutagen &/or Reproductive Toxicant**
- **Carcinogen Category 1B - Presumed Carcinogen based on animal evidence**
- **H350 - May cause cancer**

---

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

---

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-01-20

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40 - 0.80</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Process aid</td>
</tr>
</tbody>
</table>
HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
---|---|---
CANCER | EU - GHS (H-Statements) | H350 - May cause cancer
CANCER | EU - REACH Annex XVII CMRs | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER | GHS - Australia | H350 - May cause cancer

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

<table>
<thead>
<tr>
<th>%: 0.40 - 0.60</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Process Aid</th>
</tr>
</thead>
</table>

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
---|---|---
ENDOCRINE | ChemSec - SIN List | Endocrine Disruption
ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor
MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-01-20

<table>
<thead>
<tr>
<th>%: 0.20 - 0.40</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Process Aid</th>
</tr>
</thead>
</table>

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
---|---|---
MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters

SUBSTANCE NOTES: Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.
### Undisclosed Hazard Screening Method: Pharos Chemical and Materials Library

<table>
<thead>
<tr>
<th>Hazard Screening Date:</th>
<th>2020-01-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.10 - 0.30</td>
</tr>
<tr>
<td>GS:</td>
<td>LT-UNK</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>Role:</td>
<td>Process Aid</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**ENDOCRINE**

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

**Substance Notes:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

### Undisclosed Hazard Screening Method: Pharos Chemical and Materials Library

<table>
<thead>
<tr>
<th>Hazard Screening Date:</th>
<th>2020-01-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.10 - 0.30</td>
</tr>
<tr>
<td>GS:</td>
<td>LT-P1</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>Role:</td>
<td>Process Aid</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
</tr>
</tbody>
</table>

**ENDOCRINE**

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

**Substance Notes:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

### Undisclosed Hazard Screening Method: Pharos Chemical and Materials Library

<table>
<thead>
<tr>
<th>Hazard Screening Date:</th>
<th>2020-01-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>%:</td>
<td>0.00 - 8.00</td>
</tr>
<tr>
<td>GS:</td>
<td>LT-1</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>Role:</td>
<td>Pigment</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
</tbody>
</table>

**ENDOCRINE**

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

**CANCER**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**Substance Notes:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.
### Hazard Screening Method:
**Pharos Chemical and Materials Library**  
**HAZARD SCREENING DATE:** 2020-01-20

### %: 0.00 - 6.00
**GS:** BM-2  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment

### HAZARD TYPE: CANCER
**AGENCY AND LIST TITLES:** MAK
**WARNINGS:** Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

### Hazard Screening Method:
**Pharos Chemical and Materials Library**  
**HAZARD SCREENING DATE:** 2020-01-20

### %: 0.00 - 5.00
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Pigment

### HAZARD TYPE: CANCER
**AGENCY AND LIST TITLES:** US CDC - Occupational Carcinogens
**WARNINGS:** Occupational Carcinogen

**AGENCY AND LIST TITLES:** CA EPA - Prop 65
**WARNINGS:** Carcinogen - specific to chemical form or exposure route

**AGENCY AND LIST TITLES:** IARC
**WARNINGS:** Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

**AGENCY AND LIST TITLES:** MAK
**WARNINGS:** Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.

### Hazard Screening Method:
**Pharos Chemical and Materials Library**  
**HAZARD SCREENING DATE:** 2020-01-20

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

### HAZARD TYPE
**WARNINGS:** None found  
**WARNINGS:** No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Hazards as shown above may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.
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>All</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-07-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-06-30</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>SCS Global Services</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: RFCI FloorScore Indoor Air Quality (IAQ) Certification is in compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom and private office parameters when modeled as Flooring.

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.

EXCELSIOR EN-610

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPD URL:</td>
</tr>
</tbody>
</table>

EXCELSIOR AW-510

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPD URL:</td>
</tr>
</tbody>
</table>

EXCELSIOR EW-710

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roppe Rubber Stair Treads with DuPont Kevlar</td>
</tr>
<tr>
<td>HPD repository.hpd-collaborative.org</td>
</tr>
<tr>
<td>HPD v2.1.1 created via HPDC Builder Page 9 of 11</td>
</tr>
</tbody>
</table>
EW-710 is a non-flammable two-part urethane-modified epoxy adhesive used for the permanent, indoor installation of vinyl, rubber and quartz flooring products. EW-710 is low VOC and solvent free. EW-710 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.1-2012 (California Section 01350), effective January 1, 2012, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS-02963, valid from March 1, 2019 to February 29, 2020, Certificate URL: https://www.scsertified.com/products/cert_pdfs/RHC_2019_SCS-FS-02963_s2.pdf). Technical Data Sheet URL: http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_EW-710_DataSheet.pdf. VOC Content: <12 g/l.

Section 5: General Notes

Roppe Rubber Stair Treads with Kevlar are Free of PVC, phthalates, and halogens. The treads are also made in the U.S.A. and meet FloorScore® certification. The Roppe Rubber Stair Treads with Kevlar formulation is screened according to current authoritative lists and does not contain any chemicals contained in the Living Future Institute’s Red List (Living Building Challenge, Imperative 10), substances of very high concern (SVHC) on the REACH candidate list, or substances restricted under REACH. Components designated as "Undisclosed" are kept confidential to protect proprietary information. Hazards as shown in this Health Product Declaration may not represent a significant health risk, as exposure pathways and other factors in risk assessment are not defined. Hazards are applicable to the initial substance, whereas the end product is a solid vulcanized rubber flooring part.
### MANUFACTURER INFORMATION

**MANUFACTURER:** Roppe Corporation  
**ADDRESS:** 1602 North Union Street, Fostoria OH 44830, United States of America  
**WEBSITE:** https://roppe.com/

**CONTACT NAME:** Jacob Gentillon  
**TITLE:** Chemist  
**PHONE:** 419-435-8546 Ext. 5115  
**EMAIL:** jkgentillon@roppe.com

### KEY

- **OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
- **GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### Hazard Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

#### 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)

#### 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

---

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.