Roppe® Vinyl stair treads, risers and stringers are specifically designed for use on all interior stairs, including pan-filled concrete and wood substrates. Roppe Vinyl stair treads are non-conductive and resistant to scuffing, gouging and most chemicals and substances. Vinyl stair treads are ideal for indoor use in most commercial, industrial or residential applications, such as schools, hospitals, department stores, government buildings, hotels, dormitories, sports complexes, airport terminals, shopping malls and any other public or private building. Roppe Vinyl Stair Tread is formulated with Bioplasticizer and no post-consumer recycled content is used, eliminating the possibility of contamination by ortho-phthalates. These products are manufactured without the use of toxic heavy metals such as Lead, Cadmium, Chromium VI, or Arsenic and the PVC resin used is manufactured without using Mercury cell and Asbestos membranes. Roppe’s Vinyl Stair Tread formulation is screened according to current authoritative lists and does not contain any substances of very high concern (SVHC) on the REACH candidate list or substances restricted under REACH.

Section 1: Summary

<table>
<thead>
<tr>
<th>CONTENT INVENTORY</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>Are All Substances Above the Threshold Indicated:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory Reporting Format</td>
<td>100 ppm</td>
<td>Considered</td>
<td>Characterized  No</td>
</tr>
<tr>
<td>Nested Materials Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
<td>Percent Weight and Role Provided? Yes</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Per GHS SDS</td>
<td>Not Considered</td>
<td>Screened Yes</td>
</tr>
<tr>
<td>Threshold Disclosed Per</td>
<td>Per OSHA MSDS</td>
<td></td>
<td>Using Priority Hazard Lists with Results Disclosed? Yes</td>
</tr>
<tr>
<td>Material</td>
<td>Other</td>
<td></td>
<td>Identified Yes</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.

Volatile Organic Compound (VOC) Content

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: RFCI FloorScore IAQ Certified
Multi-attribute: NSF/ANSI 332 Resilient Flooring: Gold

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1
### Roppe Vinyl Stair Tread

**Product Threshold:** 100 ppm  
**Residuals and Impurities Considered:** Yes  
**Other Product Notes:** None.

#### KAOLIN CLAY

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.0000 - 40.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Mineral Filler</td>
</tr>
</tbody>
</table>

**Hazards:**  
Agency(ies) with warnings: 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 vinyl flooring part.

#### POLYVINYL CHLORIDE (PVC)

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 32.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**Hazards:**  
Agency(ies) with warnings: AOEC - Asthmagens  
Asthmagen (Rs) - sensitizer-induced

**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 vinyl flooring part.

#### LIMESTONE; CALCIUM CARBONATE

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>Nano</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.0000 - 34.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Mineral Filler</td>
</tr>
</tbody>
</table>

**Hazards:**  
None found  
No warnings found on HPD Priority lists

**Substance Notes:** None.
EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

%: 12.0000 - 24.0000
GS: LT-UNK
RC: None
NANO: No
ROLE: Plasticizer

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

SUBSTANCE NOTES: None.

UNDISCLOSED

%: 2.0000 - 8.0000
GS: LT-UNK
RC: None
NANO: No
ROLE: Synthetic Polymer

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

SUBSTANCE NOTES: None.

UNDISCLOSED

%: 0.7500 - 1.0000
GS: LT-P1
RC: None
NANO: No
ROLE: Process Aid

HAZARDS:
AGENCY(IES) WITH 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 vinyl flooring part.

UNDISCLOSED

%: 0.4500 - 0.7000
GS: LT-UNK
RC: None
NANO: No
ROLE: Stabilizer

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
No warnings found on HPD Priority 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 vinyl flooring part.

UNDISCLOSED

%: 0.3000 - 0.5500
GS: LT-UNK
RC: None
NANO: No
ROLE: Stabilizer

HAZARDS:
AGENCY(IES) WITH WARNINGS:
None Found
No warnings found on HPD Priority lists
<table>
<thead>
<tr>
<th>UNDISCLOSED</th>
<th>%: 0.2000 - 0.3500</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Process Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>None Found</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** None.

<table>
<thead>
<tr>
<th>UNDISCLOSED</th>
<th>%: 0.1000 - 0.3000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Process Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ENDOCRINE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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 vinyl flooring part.

<table>
<thead>
<tr>
<th>UNDISCLOSED</th>
<th>%: 0.0800 - 0.1600</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Stabilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PBT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EC - CEPA DSL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Persistent, Bioaccumulative and inherently Toxic (PBITE) to the Environment (based on aquatic organisms)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MULTIPLE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Class 2 - Hazard to Waters</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 vinyl flooring part.

<table>
<thead>
<tr>
<th>UNDISCLOSED</th>
<th>%: 0.0100 - 0.0600</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Stabilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MULTIPLE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Class 2 - Hazard to Waters</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 vinyl flooring part.
## HAZARDS:

### UNDISCLOSED

<table>
<thead>
<tr>
<th>%: 0.0000 - 5.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Pigment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CANCER</strong></td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
<td></td>
<td></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 vinyl flooring part.

### UNDISCLOSED

<table>
<thead>
<tr>
<th>%: 0.0000 - 8.0000</th>
<th>GS: BM-2</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Pigment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CANCER</strong></td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
<td></td>
<td></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 vinyl flooring part.

### UNDISCLOSED

<table>
<thead>
<tr>
<th>%: 0.0000 - 10.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Pigment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CANCER</strong></td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ENDOCRINE</strong></td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CANCER</strong></td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
<td></td>
<td></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 vinyl 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>CERTIFICATE URL:</td>
<td><a href="https://www.scscertified.com/products/cert_pdf/RoppeCorp_2018_SCS-FS-02222_s.pdf">RFCI FloorScore IAQ Certified</a></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. Registration # SCS-FS-02222

### MULTI-ATTRIBUTE

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All.</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** NSF/ANSI 332 is a voluntary, multi-attribute standard that evaluates the environmental and social impacts of resilient flooring products. Qualification of certification under this standard requires conformance to criteria including product design, product manufacturing, long-term value, end of life management, corporate governance, and innovation. Roppe Vinyl Stair Tread products have been certified to the Gold level of NSF/ANSI 332 (Third Tier certification, moving toward best practices). Registration # SCS-RF-04161

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**

| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: | EN-610 is a two-component, solvent free epoxy caulk adhesive designed for use with indoor installations of stair treads and stair nosings. EN-610 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 # SCSFS-02963, valid from March 1, 2018 to February 28, 2019, Certificate URL: [RFCI FloorScore IAQ Certified](https://www.scscertified.com/products/cert_pdf/RHC_2018_SCS-FS-02963_s.pdf)). Technical Data Sheet URL: [Excelsior EN-610 DataSheet.pdf](http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_EN-610_DataSheet.pdf) |
| HPD URL: | No HPD available |

**EXCELSIOR AW-510**

| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: | |
| HPD URL: | No HPD available |

EXCELSIOR EW-710

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, yet is highly aggressive and cures to an incredibly hard, chemically resistant film for superior adhesion. EW-710 is RFCI FloorScore® Indoor Air Quality (IAQ) certified by SCS Global Services, indicating compliance with CDPH/EHLB Standard Method v1.2-2017 (California Section 01350), effective April 1, 2017, for the school classroom, private office, and single-family residence parameters when modeled as flooring (Registration # SCS-FS-02963, valid from March 1, 2018 to February 28, 2019, Certificate URL: https://www.scscertified.com/products/cert_pdfs/RHC_2018_SCS-FS-02963_s.pdf). Technical data sheet: http://excelsiorproducts.net/wp-content/uploads/2017/01/Excelsior_EW-710_DataSheet.pdf

Section 5: General Notes

Roppe's Vinyl Stair Tread formulation is screened according to current authoritative lists and does not contain any substances of very high concern (SVHC) on the REACH candidate list or substances restricted under REACH. Ingredients designated “Undisclosed” are kept confidential to protect proprietary information. Hazards 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 substances, whereas the end product is a solid vinyl flooring part.
MANUFACTURER INFORMATION

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

CONTACT NAME: Jacob Gentillon
TITLE: Chemist
PHONE: 419-619-3388
EMAIL: jkgentillon@gmail.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

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

GreenScreen (GS)

- BM-4 Benchmark 4 (prefer-safer chemical)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (insufficient data to benchmark)

- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS Unknown (no data on List Translator Lists)

Recycled Types

- PreC Preconsumer (Post-Industrial)
- PostC Postconsumer
- Both Both Preconsumer and Postconsumer
- Unk Inclusion of recycled content is unknown
- None Does not include recycled content

Other Terms

- Inventory Methods:
  - Nested Method / Material Threshold: Substances listed within each material per threshold indicated per material
  - Nested Method / Product Threshold: Substances listed within each material per threshold indicated per product
  - Basic Method / Product Threshold: Substances listed individually per threshold indicated per product

- Nano Composed of nano scale particles or nanotechnology
- Third Party Verified Verification by independent certifier approved by HPDC
- Preparer Third party preparer, if not self-prepared by manufacturer
- Applicable facilities Manufacturing sites to which testing applies

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.