Rejuvenations Restore with Diamond 10® Technology - Heterogeneous Sheet
by Armstrong Flooring, Inc.

Health Product Declaration v2.1.1
created via: HPDC Online Builder

CLASSIFICATION: 09 65 16

PRODUCT DESCRIPTION: Rejuvenations Restore is a no-polish, low-maintenance solution that offers the perfect balance of performance and comfort under foot. And, with Diamond 10 Technology coating, floors look newer, longer as a result of category-leading scratch, stain, and scuff resistance.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explaination(s) provided for Residuals/Impurities?

- Yes
- No

All Substances Above the Threshold Indicated Are:

- Characterized
- Screened
- Identified

All substances are characterized, screened, and identified.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: FloorScore

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER: 

SCREENING DATE: 2020-04-10

PUBLISHED DATE: 2020-04-13
## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

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### REJUVENATIONS RESTORE WITH DIAMOND 10® TECHNOLOGY - HETEROGENEOUS SHEET

**PRODUCT THRESHOLD:** 1000 ppm

**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.


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### POLYVINYL CHLORIDE

<table>
<thead>
<tr>
<th>ID: 9002-86-2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-04-10</td>
</tr>
<tr>
<td><strong>%:</strong> 40.00 - 45.00</td>
</tr>
<tr>
<td><strong>GS:</strong> LT-P1</td>
</tr>
<tr>
<td><strong>RC:</strong> None</td>
</tr>
<tr>
<td><strong>NANO:</strong> Unknown</td>
</tr>
<tr>
<td><strong>ROLE:</strong> Binder</td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
</tr>
<tr>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td>RESPIRATORY</td>
</tr>
<tr>
<td>AOEC - Asthmagens</td>
</tr>
<tr>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Binder component

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### CALCIUM CARBONATE (LIMESTONE)

<table>
<thead>
<tr>
<th>ID: 1317-65-3</th>
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</thead>
<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
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<td><strong>HAZARD SCREENING DATE:</strong> 2020-04-10</td>
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<tr>
<td><strong>%:</strong> 30.00 - 35.00</td>
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<tr>
<td><strong>GS:</strong> LT-UNK</td>
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<tr>
<td><strong>RC:</strong> None</td>
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<td><strong>NANO:</strong> Unknown</td>
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<tr>
<td><strong>ROLE:</strong> Filler</td>
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<tr>
<td><strong>HAZARD TYPE</strong></td>
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<tr>
<td><strong>AGENCY AND LIST TITLES</strong></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
</tr>
<tr>
<td>None found</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Limestone filler

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### DI(2-ETHYLHEXYL) TEREPTHALATE

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<thead>
<tr>
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<tbody>
<tr>
<td><strong>HAZARD SCREENING METHOD:</strong> Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE:</strong> 2020-04-10</td>
</tr>
<tr>
<td><strong>%:</strong> 15.00 - 20.00</td>
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<tr>
<td><strong>GS:</strong> BM-3dg</td>
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<tr>
<td><strong>RC:</strong> None</td>
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<tr>
<td><strong>NANO:</strong> Unknown</td>
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<tr>
<td><strong>ROLE:</strong> Plasticizer</td>
</tr>
<tr>
<td>Substance Notes</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>Binder component</td>
</tr>
<tr>
<td>Biobased binder component</td>
</tr>
<tr>
<td>Component in backing</td>
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<tr>
<td>Binder component</td>
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<td>Substance Notes</td>
</tr>
<tr>
<td>-----------------</td>
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<tr>
<td>Binder component</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reinforcer</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-10</td>
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<td>LT-UNK</td>
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<td>Unknown</td>
<td>Reinforcer</td>
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</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

No warnings found on HPD Priority Hazard Lists

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<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
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</thead>
<tbody>
<tr>
<td>Reinforcer</td>
<td>Pharos Chemical and Materials Library</td>
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<td>LT-1</td>
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<td>Unknown</td>
<td>Pigment</td>
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</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

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

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<table>
<thead>
<tr>
<th>Substance Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stabilizer</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-10</td>
<td>0.10 - 0.50</td>
<td>LT-UNK</td>
<td>None</td>
<td>Unknown</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

OCTADECANOIC ACID, ZINC SALT

id: 557-05-1

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<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
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</thead>
<tbody>
<tr>
<td>PROPAROL, OXYBIS-, DIBENZOATE</td>
<td>27138-31-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-10</td>
<td>0.10 - 0.50</td>
<td>LT-P1</td>
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<td>Unknown</td>
<td>Plasticizer</td>
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<tr>
<td>ZINC OXIDE</td>
<td>1314-13-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-10</td>
<td>0.10 - 0.50</td>
<td>BM-1</td>
<td>None</td>
<td>Unknown</td>
<td>Stabilizer</td>
</tr>
<tr>
<td>METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE</td>
<td>25852-37-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-10</td>
<td>0.10 - 0.50</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**
- For PROPAROL, OXYBIS-, DIBENZOATE: Stabilizer component
- For ZINC OXIDE: Stabilizer component
- For METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE: Additive

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None found

No warnings found on HPD Priority Hazard Lists

---

**WARNINGS:**

- None found
- No warnings found on HPD Priority Hazard Lists

---

**RESPIRATORY**
- AOEC - Asthma gens
- Asthma gen (Rs) - sensitizer-induced

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

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

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

**ENDOCRINE**
- TEDX - Potential Endocrine Disruptors
- Potential Endocrine Disruptor
# TRIISOTRIDEYL PHOSPHITE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-04-10

<table>
<thead>
<tr>
<th>%:</th>
<th>GS:</th>
<th>RC:</th>
<th>NANO:</th>
<th>ROLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10 - 0.50</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Stabilizer</td>
</tr>
</tbody>
</table>

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

**SUBSTANCE NOTES:** Stabilizer component

Rejuvenations Restore with Diamond 10 Technology - Heterogeneous Sheet  
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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>No Facilities</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://www.armstrongflooring.com/pdbupimages-flr/220312.pdf">https://www.armstrongflooring.com/pdbupimages-flr/220312.pdf</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-09-01</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-08-31</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>SCS</td>
</tr>
</tbody>
</table>

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.

ADHESIVES RECOMMENDED FOR INSTALLATION

<table>
<thead>
<tr>
<th>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Spread Adhesives: S-599 ChoiceStrong™, S-543, Flip® Spray Adhesive, S-240 Epoxy or S-580 Flash Cove Adhesive</td>
</tr>
<tr>
<td>Seams: Heat Weld or 761 Seam Adhesive</td>
</tr>
</tbody>
</table>

Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information Armstrong Flooring expresses no opinion and makes no representations as to the applicability suitability accuracy or completeness of the declaration form or the standards rules classifications warnings or criteria utilized or referenced therein. Information herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongflooring.com as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong Flooring website for more information on this product.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong Flooring, Inc.
ADDRESS: No. 683, Yuexiu Road
FOHO New & Hi-Tech Industrial Development Zone
Wujiang Jiang Su Province 215211, China
WEBSITE: www.armstrongflooring.com

CONTACT NAME: TechLine
TITLE: Customer Service
PHONE: 1-888-276-7876
EMAIL: fpotechline@armstrongflooring.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.