ARDEX SD-P
by ARDEX Engineered Cements
Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22910
CLASSIFICATION: 03 01 30 Maintenance of Cast-in-Place Concrete
PRODUCT DESCRIPTION: ARDEX SD-P® RAPID Self-Drying, Trowelable Concrete Underlayment is formulated with a special blend of Portland cement, other hydraulic cements and polymers. It is a self-drying, fast setting, trowelable patch for smoothing and repairing concrete floors, ramps and stairways, as well as non-porous substrates such as terrazzo, ceramic and quarry tile, prior to the installation of floor covering.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
☑ Nested Materials Method
☐ Basic Method

Threshold Disclosed Per
☑ Material
☐ Product

Threshold level
☐ 100 ppm
☐ 1,000 ppm
☐ Per GHS SDS
☐ Other

Residuals/Impurities

All Substances Above the Threshold Indicated Are:

Characterized
☐ Yes Ex/SC ☐ Yes ☐ No
% weight and role provided for all substances.

Screened
☐ Yes Ex/SC ☐ Yes ☐ No
All substances screened using Priority Hazard Lists with results disclosed.

Identified
☐ Yes Ex/SC ☐ Yes ☐ No
All substances disclosed by Name (Specific or Generic) and Identifier.

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
--- | --- | --- | --- | ---
CALCIUM ALUMINATE CEMENT | HIGH-ALUMINA CEMENT | LT-UNK | 
LIMESTONE | QUARTZ | LT-1 | CAN LIMESTONE; CALCIUM CARBONATE | LT-UNK | CAN LIMESTONE, CALCIUM SULFATE, 1,2-HYDRATE, POWDER | LT-UNK | VINYL ACETATE COPOLYMER | LT-UNK | ETHYLENE VINYL ACETATE POLYMER (EVA) | LT-UNK | CELLULOSE | LT-PH | END | CAN | PORTLAND CEMENT | LT-PH | END | CAN |

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
The exact percentages have been withheld by the manufacturer as trade secrets.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose Construction, Structural Glazing and Contact, as amended 1/7/05

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: 2019-06-05
PUBLISHED DATE: 2020-11-12
EXPIRY DATE: 2022-06-05

ARDEX SD-P
hprepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 1 of 7
### 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)

<table>
<thead>
<tr>
<th>Material</th>
<th>%:</th>
<th>Threshold</th>
<th>Residuals</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calcium Aluminate Cement</strong></td>
<td>30.0000-60.0000</td>
<td>1000 ppm</td>
<td>Yes</td>
<td>Geologically Derived Material</td>
<td>ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers' Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products. The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.</td>
</tr>
<tr>
<td><strong>High-Alumina Cement</strong></td>
<td>10.0000-30.0000</td>
<td></td>
<td></td>
<td>Binder</td>
<td>None found. No warnings found on HPD Priority Hazard Lists.</td>
</tr>
<tr>
<td><strong>Limestone</strong></td>
<td>30.0000-60.0000</td>
<td></td>
<td></td>
<td>Geologically Derived Material</td>
<td>ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers' Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products. The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.</td>
</tr>
</tbody>
</table>
### QUARTZ

**ID:** 14808-60-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-06-05  
**%:** 30.0000 - 60.0000  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Filler

<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 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>New Zealand - GHS</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>Japan - GHS</td>
<td>Carcinogenicity - Category 1A</td>
</tr>
<tr>
<td>CANCER</td>
<td>Australia - GHS</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

### LIMESTONE; CALCIA CARBONATE

**ID:** 1317-65-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-06-05  
**%:** 5.0000 - 10.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Filler

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

### CALCIUM SULFATE

**%:** 10.0000 - 30.0000  
**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes  
**MATERIAL TYPE:** Geologically Derived Material
ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers’ Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products.

OTHER MATERIAL NOTES: The exact percentages of the ingredients have been withheld as trade secrets.

<table>
<thead>
<tr>
<th>RESIDUALS AND IMPURITIES NOTES</th>
<th>CALCIUM SULFATE, 1,2-HYDRATE, POWDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
<td>HAZARD SCREENING DATE: 2019-06-05</td>
</tr>
<tr>
<td>%: 5.0000 - 10.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

| RESIDUALS AND IMPURITIES NOTES: ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers’ Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products. |
| OTHER MATERIAL NOTES: The exact percentages of the ingredients have been withheld as trade secrets. |

<table>
<thead>
<tr>
<th>RESIDUALS AND IMPURITIES NOTES</th>
<th>ETHYLENE VINYL ACETATE POLYMER (EVA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
<td>HAZARD SCREENING DATE: 2019-06-05</td>
</tr>
<tr>
<td>%: 1.0000 - 5.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>None found</td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

| RESIDUALS AND IMPURITIES NOTES: ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers’ Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products. |
| OTHER MATERIAL NOTES: The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets. |

<table>
<thead>
<tr>
<th>RESIDUALS AND IMPURITIES NOTES</th>
<th>CELLULOSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 1.0000 - 5.0000</td>
<td></td>
</tr>
</tbody>
</table>

PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES CONSIDERED: Yes | MATERIAL TYPE: Geologically Derived Material |
### CELLULOSE, MICROCRYSTALLINE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2019-06-05</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID: 9004-34-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>%: 1.0000 - 5.0000</td>
<td>GS: NoGS</td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Filler</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

No warnings found on HPD Priority Hazard Lists

**WARNINGS**

None found

### PORTLAND CEMENT

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD:</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
<td>Yes</td>
</tr>
<tr>
<td>MATERIAL TYPE:</td>
<td>Geologically Derived Material</td>
</tr>
</tbody>
</table>

**RESIDUALS AND IMPURITIES NOTES:**

ARDEX uses quarry-extracted ingredients, such as quartz, cement, limestone, and gypsum. As a result, suppliers of these ingredients indicate that raw materials may contain residual earthen material, such as sand, in extremely small quantities. These materials are listed on suppliers' Safety Data Sheets (SDS) and they are accounted for on the Safety Data Sheets of ARDEX products.

**OTHER MATERIAL NOTES:**

PORTLAND CEMENT

<table>
<thead>
<tr>
<th>ID: 65997-15-1</th>
</tr>
</thead>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-06-05

<table>
<thead>
<tr>
<th>%: 1.0000 - 5.0000</th>
<th>GS: LT-P1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>ENDOCRINE</th>
<th>TEDX - Potential Endocrine Disruptors</th>
<th>Potential Endocrine Disruptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

**WARNINGS**

ENDOCRINE - Potential Endocrine Disruptors

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

**SUBSTANCE NOTES:**

None found
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 ARDEX manufacturing facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom &amp; Office scenario</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-03-14</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:** ARDEX SD-P is compliant with CDPH v1.2-2017 Classroom & Office emission scenarios.

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All ARDEX manufacturing facilities.</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://cdn.ardexamericas.com/wp-content/uploads/ARDEX-SD-P-RAPID-SDS.pdf">https://cdn.ardexamericas.com/wp-content/uploads/ARDEX-SD-P-RAPID-SDS.pdf</a></td>
</tr>
<tr>
<td>SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Wood Flooring, Rubber Floor, Ceramic Tile, Multipurpose Construction, Structural Glazing and Contact, as amended 1/7/05</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2016-09-09</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2019-09-09</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>ARDEX Engineered Cements</td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

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.

**WATER**


**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**

Mix ARDEX SD-P with clean water in accordance with the technical data sheet. Do not use any other additives.

Section 5: General Notes

Refer to the GHS Formatted Safety Data Sheet (SDS) and the Technical Data Sheet for additional information regarding the proper mixing and application of this product. Information can be found at www.ardexamericas.com.
MANUFACTURER INFORMATION

MANUFACTURER: ARDEX Engineered Cements
ADDRESS: 400 Ardex Park Drive Aliquippa PA 15001, United States
WEBSITE: www.ardexamericas.com

CONTACT NAME: Steven Newbrough
TITLE: Environmental Programs Specialist
PHONE: 724-203-5445
EMAIL: steven.newbrough@ardexamericas.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet
GNR GreenScreen
HCP Hazardous Chemicals Program
HPR Hazardous Substance Program
INE Inert
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PEM Permeation
PHY Physical hazard (flammable or reactive)
REM Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

Recycled Types
PreC Pre-consumer recycled content
PostC Post-consumer recycled content
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.