

HPD UNIQUE IDENTIFIER: 20602

CLASSIFICATION: 09 30 00

**PRODUCT DESCRIPTION:** The absolute best-in-class, topside waterproofing and crack isolation membrane for use on all common substrates in commercial and residential applications prior to the installation of any type of tile or stone. Two components, very easy to use, cement based waterproofing and crack isolation compound providing outstanding bond to mortars. ARDEX 8+9 can also be used as a shower pan. Ideal for use in showers, kitchens and for exterior manufactured veneer stone installations.

## 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  
 Per GHS SDS  
 Other

#### Residuals/Impurities

- Considered  
 Partially Considered  
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes  No

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

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.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

ARDEX 8 + 9 | HIGH-ALUMINA CEMENT LT-UNK POLYMER LT-UNK  
WATER BM-4 CALCIUM SULFATE, 1\_2-HYDRATE, POWDER LT-UNK  
QUARTZ LT-1 | CAN PORTLAND CEMENT LT-P1 | END | CAN LIMESTONE;  
CALCIUM CARBONATE LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

The ingredients are listed as required per OSHA's Global Harmonization System. Note that many proprietary ingredients are withheld as trade secrets. The proprietary ingredients used in this product are not reportable by OSHA or WHMIS standards. None of the proprietary ingredients present at greater than 0.1% are known to be carcinogens by IARC, NTP, OSHA, or ACGIH. None of the proprietary ingredients present at greater than 0.1% are known to be mutagens, teratogens, or reproductive toxins.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0g/L

Regulatory (g/l): 0g/L

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
VOC content: ARDEX 8 + 9 SDS  
VOC content: ARDEX 8 + 9 Part 8 - Liquid SDS

### 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: 2018-05-30

PUBLISHED DATE: 2020-06-15

EXPIRY DATE: 2021-05-30



## 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)

### ARDEX 8 + 9

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Any residual that may be present above the 100ppm level is accounted for in this product.

OTHER PRODUCT NOTES: ARDEX 8 + 9 is a two-part product, requiring that "Part 9 Powder" be mixed with "Part 8 Liquid" for every application in accordance with our written recommendations.

#### HIGH-ALUMINA CEMENT

ID: 65997-16-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-30

#: 30.0000 - 60.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The exact percentage of this ingredient is withheld by the manufacturer as trade secrets.

#### POLYMER

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-30

#: 30.0000 - 60.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The identity of this polymer has been withheld by the manufacturer as a trade secret. This ingredient does not have any hazardous chemicals reportable by OSHA or WHMIS standards.

#### WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-05-30

#: 30.0000 - 60.0000

GS: BM-4

RC: None

NANO: No

SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The exact percentages of the ingredients are withheld by the manufacturer as trade secrets.

### CALCIUM SULFATE, 1\_2-HYDRATE, POWDER

ID: 7778-18-9

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

HAZARD SCREENING DATE: **2018-05-30**

#: **10.0000 - 30.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

### QUARTZ

ID: 14808-60-7

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

HAZARD SCREENING DATE: **2018-05-30**

#: **10.0000 - 30.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: The exact percentages of the ingredients are withheld by the manufacturer as trade secrets.

### PORTLAND CEMENT

ID: 65997-15-1

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

HAZARD SCREENING DATE: **2018-05-30**

#: **5.0000 - 10.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: The exact percentages of the ingredients have been withheld by the manufacturer as trade secrets.

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

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

HAZARD SCREENING DATE: **2018-05-30**

#: **1.0000 - 5.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Filler**

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

SUBSTANCE NOTES: The exact percentages are withheld by the manufacturer as trade secrets.

## 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

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-03-13**

EXPIRY DATE:

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **All ARDEX manufacturing facilities.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **ARDEX 8 + 9 has a tested TVOC content of 0.5 mg/m<sup>3</sup> or less.**

### VOC CONTENT

### ARDEX 8 + 9 SDS

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2016-09-08**

EXPIRY DATE:

CERTIFIER OR LAB: **ARDEX Americas**

APPLICABLE FACILITIES: **All ARDEX manufacturing facilities.**

CERTIFICATE URL:

<https://www.ardexamericas.com/wp-content/uploads/ARDEX-89-PART-9-POWDER-SDS.pdf>

CERTIFICATION AND COMPLIANCE NOTES: **The information herein is confirmed in the respective Safety Data Sheet**

### VOC CONTENT

### ARDEX 8 + 9 Part 8 - Liquid SDS

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2016-09-08**

EXPIRY DATE:

CERTIFIER OR LAB: **ARDEX Americas**

APPLICABLE FACILITIES: **All ARDEX Americas manufacturing locations.**

CERTIFICATE URL:

<https://www.ardexamericas.com/wp-content/uploads/ARDEX-89-PART-8-LIQUID-SDS.pdf>

CERTIFICATION AND COMPLIANCE NOTES: **The information can be confirmed via the GHS formatted Safety Data Sheet.**

## 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.*

### ARDEX 8 + 9 PART 8 - LIQUID

HPD URL: **HTTP://WWW.GOOGLE.COM**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**ARDEX 8 + 9 is a two-part product, where PART 9 - POWDER must be mixed with PART 8 - LIQUID for each application in accordance with our written recommendations.**

## Section 5: General Notes

Follow written recommendations as per the ARDEX 8 + 9 Technical Data Sheet and ARDEX 8 + 9 Safety Data Sheet.



## MANUFACTURER INFORMATION

MANUFACTURER: **ARDEX Engineered Cements**  
 ADDRESS: **400 Ardex Park Drive**  
**Aliquippa PA 15001, USA**  
 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

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

### 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:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### 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.*