

ARDEX K 520 by ARDEX Engineered Cements

CLASSIFICATION: 03 54 16_0916

Health Product Declaration v2.0

created via: HPDC Online
Builder

PRODUCT DESCRIPTION: ARDEX K 520™ IS A SELF-LEVELING, TOPPING FOR FAST-TRACK RESURFACING, SMOOTHING OR LEVELING OF INDOOR CONCRETE AND CERTAIN NON-POROUS SURFACES. ARDEX K 520 CAN BE INSTALLED UP TO 1" (25 MM) THICK NEAT AND UP TO 3" (7.5 CM) THICK WITH THE ADDITION OF APPROPRIATE AGGREGATE. USE ARDEX K 520 IN WAREHOUSES, UTILITY ROOMS AND LIGHT MANUFACTURING AREAS TO PROVIDE A HARD, FLAT, SMOOTH SURFACE THAT CAN BE SEALED. ALSO USE OVER CONCRETE AND TERRAZZO SUBSTRATES IN AREAS THAT REQUIRE A POLISHED SURFACE. SEALING OR POLISHING CAN PROCEED IN AS LITTLE AS 24 HOURS

Section 1: Summary

CONTENT INVENTORY

Threshold per
material

- ☐ 100 ppm
- ☐ 1,000 ppm
- ☒ Per GHS SDS
- ☐ Per OSHA MSDS
- ☐ Other

Residuals and
impurities

- considered in
6 of 6 materials
- ☒ see Section 2:
Material Notes
- ☒ see Section 5:
General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

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**

SAND [QUARTZ LT-1 | CAN] CALCIUM ALUMINATE CEMENT [HIGH-ALUMINA CEMENT LT-UNK] LIMESTONE [LIMESTONE; CALCIUM CARBONATE LT-UNK QUARTZ LT-1 | CAN] CALCIUM SULFATE [CALCIUM SULFATE, 1_2-HYDRATE, POWDER LT-UNK] VINYL ACETATE COPOLYMER [ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK] PORTLAND CEMENT [PORTLAND CEMENT LT-P1 | CAN | END]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: June 13, 2017	EXPIRY DATE*: June 13, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: June 13, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

SAND

HPD URL: %: 30.0000 - 60.0000

Inventory Threshold: Per GHS SDS

Residuals Considered: Yes

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

QUARTZ

ID: 14808-60-7

%: 100.0000 - 100.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

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

IARC

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

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

SUBSTANCE NOTES:

CALCIUM ALUMINATE CEMENT

HPD URL: %: 10.0000 - 30.0000

Inventory Threshold: Per GHS SDS

Residuals Considered: Yes

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

HIGH-ALUMINA CEMENT

ID: 65997-16-2

%: 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

LIMESTONE

HPD URL: %: 10.0000 - 30.0000

LIMESTONE; CALCIUM CARBONATE		ID: 1317-65-3		
%: 99.9000 - 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found		No warnings found on HPD Priority lists		
SUBSTANCE NOTES:				

QUARTZ		ID: 14808-60-7		
?: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
CANCER	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CANCER	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
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	IARC		Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources	
CANCER	New Zealand - GHS		6.7A - Known or presumed human carcinogens	
SUBSTANCE NOTES: Crystalline silica (Quartz) is not intentionally added in this ingredient, but is a naturally occurring component in limestone (Calcium Carbonate).				

CALCIUM SULFATE, 1_2-HYDRATE, POWDER			ID: 7778-18-9	
%: 100.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found		No warnings found on HPD Priority lists		
SUBSTANCE NOTES:				

VINYL ACETATE COPOLYMER

%: 1.0000 - 5.0000

HPD URL:

Inventory Threshold: Per GHS SDS

Residuals Considered: Yes

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

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Modifier

HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES:**PORTLAND CEMENT**

%: 1.0000 - 5.0000

HPD URL:

Inventory Threshold: Per GHS SDS

Residuals Considered: Yes

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

PORTLAND CEMENT

ID: 65997-15-1

%: 100.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Binder

HAZARDS:

CANCER

MAK

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:**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.

**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

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Mix ARDEX K 520 with clean, potable water in accordance with the technical data sheet. Do not use any other additives.

**Section 5: General Notes**



MANUFACTURER INFORMATION

MANUFACTURER: ARDEX Engineered Cements

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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)

UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.