KAUFMAN Patch & Rub

Health Product Declaration v2.3 CLASSIFICATION: 03 01 30 Maintenance of Cast-in-Place Concrete HPD UNIOUE IDENTIFIER: 43506736128

Product Description

Patch & Rub are quick setting, cementitious patching and finishing compounds that are used to fill and smooth interior and exterior vertical concrete surfaces prior to sealing or painting. Trowel applied, Patch &Rub products are composed of special portland cements, silica aggregates, workability & water reducing agents. Patch & Rub products are available with or without the addition of a proprietary dry latex polymer.



Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

Nested Materials Method

C Basic Method

Threshold Disclosed Per

Material

Product

Threshold Level

C 1,000 ppm C Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed in 4 of 4 Materials

Explanation(s) provided for Residuals/Impurities?

Yes ○ No

For all contents above the threshold, the manufacturer has: Characterized Yes ○ No

Provided weight and role.

Screened ⊙ Yes ○ No

Provided screening results using HPDC-approved

methods.

Identified Yes ○ No.

Provided name and CAS RN or other 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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR **IMPURITY**

GREENSCREEN SCORE | HAZARD TYPE

SAND [QUARTZ BM-1* | CAN | MAM | GEN] CEMENT [PORTLAND CEMENT LT-P1 | CAN | END | MAM] SLAG [BLAST FURNACE SLAG LT-UNK | BINDER [HIGH-ALUMINA CEMENT LT-UNK]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional

VOC emissions: Inherently non-emitting source per LEED VOC content: MAS Certified Green - VOC Content

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

C Yes

No

PREPARER: Self-Prepared VERIFIER:

VERIFIER: VERIFICATION #: SCREENING DATE: 2023-12-01 PUBLISHED DATE: 2023-12-15 EXPIRY DATE: 2026-12-01

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

SAND	%: 60.0000 - 75.0000	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Percentages > 10% are used to disguise the formula covered as intellectual property.

QUARTZ

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-12-04 9:48:43

%: 99.0000

GreenScreen: BM-1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS	
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**	
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**	
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)**	
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man**	
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources**	
CAN	IARC	Group 1 - Agent is Carcinogenic to humans**	
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen**	
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]**	
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]**	
CAN	GHS - New Zealand	Carcinogenicity category 1**	
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**	
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]**	
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]**	
МАМ	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1**	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
None found		No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: "Only a few elements can replace silicon in the quartz lattice (substitutional positions) or are small enough to occupy free spaces in the lattice (interstitial positions). In natural quartz crystals, the most common ones to replace Si are Al, Fe, Ge, and Ti, whereas Li, Na, Ca, Mg and Fe often occupy interstitial positions in the "c-channels"." [Mindat]-Per Pharos Database

CEMENT	%: 15.0000 - 25.0000	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material

^{**}Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Portland Cement is made from materials mined from the earth, and may contain up to 0.75% insoluble residue, some of which may be free crystalline silica. Other trace Constituents may include free calcium oxide (also known as quick lime) and Chromium and Nickel may be at levels below 0.02%. (Continental Cement Company MSDS)

PORTLAND CEMENT ID: 65997-15-1						
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-12-04 9:49:44				
%: 95.0000 - 99.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE R	OLE: Binder	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
CAN	MAK	MAK Carcinogen Group 3B - Evidence but not sufficient for classification			arcinogenic effects	
END	TEDX - Potential Endocrine	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
MAM	GHS - Japan	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
МАМ	GHS - Japan	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION			
None found			No li	stings found on Add	itional Hazard Lists	

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

SLAG	%: 5.0000 - 10.0000		
PRODUCT THRESHOLD: 100	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: MATERIAL TYPE: Other: Industrial by-	IMPURITIES EVALUATION COMPLETED: MATERIAL TYPE: Other: Industrial by-	

product/waste

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Blast furnace slag is a nonmetallic coproduct produced in the process. It consists primarily of silicates, aluminosilicates, and calcium-alumina-silicates. GGBFS can be used as a supplementary cementitious material either by premixing the slag with Portland cement or hydrated lime to produce a blended cement (during the cement production process) or by adding the slag to Portland cement concrete as a mineral admixture. (Federal Highway Administration)

ppm

BLAST FURNACE SLAG ID: 65996-69-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-12-04 9:50:32		
%: 100.0000	GreenScreen: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnir	ngs found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No lis	tings found on Additional Hazard Lists	

SUBSTANCE NOTES: Ground Granulated Blast Furnace Slag is a byproduct of iron blast furnaces. Slag is a supplementary cementitious material (SCM), and is considered a pre-consumer waste product under the LEED program.

BINDER %: 2.0000 - 5.0000

PRODUCT THRESHOLD: 100 RESIDUALS AND IMPURITIES EVALUATION COMPLETED: MATERIAL TYPE: Geologically Derived

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RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: To cover actual formulation, percentages are shown in a range.

HIGH-ALUMINA CEMENT				ID: 65997-16-2		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-12-04 9:51:55			
%: 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder		
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
None found			No warnii	ngs found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION			
None found			No lis	stings found on Additional Hazard Lists		

SUBSTANCE NOTES: TSCA Definition 2008: High-Alumina cement is a mixture of chemical substances produced by burning or sintering at high temperature (greater than 1200.degree.C (2192.degree.F)) raw materials which are predominantly calcium carbonate, aluminum oxide, silica, and iron oxide.- Per Pharos database.

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

Inherently non-emitting source per LEED

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2023-12-04

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: 3811 Curtis Avenue Baltimore,

MD

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Per LEED v4.1, concrete is a non-emitting source therefore, no VOC emission testing is necessary.

VOC CONTENT

MAS Certified Green - VOC Content

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2023-12-09

CERTIFIER OR LAB:

APPLICABLE FACILITIES: 3811 Curtis Avenue, Baltimore,

EXPIRY DATE:

EXPIRY DATE:

kaufmanproducts

MD

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: This is not MAS Green certification. The VOC content has been self-declared, utilizing the selfcalculation method outlined by the United States Environmental Protection Agency (US EPA) and the South Coast Air Quality Management District (SCAQMD).

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.

No accessories are required for this product.



Uses

Section 5: General Notes

Patch & Rub products are an excellent choice to finish concrete walls after stripping the forms, as well as to repair any minor surface imperfections.

Packaging

50 lb. pail .45 ft3

50 pound bag .45 ft3.

Application

Mix each unit of Patch & Rub with 4.43 quarts of water with each 50 lb. bag. Thoroughly mix until uniformly blended but no more than 3 minutes. Always add the Patch & Rub to the mixing water, and not the other way around.

MANUFACTURER INFORMATION

MANUFACTURER: Kaufman Products, Inc.

ADDRESS: 3811 Curtis Avenue
Baltimore, Maryland 21226

COUNTRY: United States of America

WEBSITE: kaufmanproducts.net CONTACT NAME: Alex Kaufman

TITLE: President PHONE: 4103548600

EMAIL: akaufman@kaufmanproducts.net

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

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

PHY Physical hazard (flammable or reactive)

REP 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

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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