

QUIKRETE® 5000 CONCRETE MIX by Package Pavement - Spec Mix

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 21660

CLASSIFICATION: 03 31 00 Structural Concrete

PRODUCT DESCRIPTION: QUIKRETE® 5000 Concrete Mix (No. 1007) is a commercial grade blend of stone or gravel, sand and cement specially designed for higher early strength. This product is ideal for a variety of jobs including, cold weather applications. Achieves 5000 psi after 28 days. Q-5000 Concrete Mix has a walk-on time of 10 - 12 hours. QUIKRETE® 5000 Concrete Mix, can be used for any application requiring concrete in a minimum thickness of 2" (51 mm), such as slabs, footings, steps, columns, walls and patios.

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

Residuals/Impurities
Considered in 2 of 2 Materials

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

Q-5000 CONCRETE MIX [CRUSHED STONE NoGS QUARTZ (QUARTZ SAND) LT-1 | CAN] PORTLAND CEMENT [TRICALCIUM SILICATE (PRIMARY CASRN IS 12168-85-3) LT-UNK DICALCIUM SILICATE LT-UNK CALCIUM ALUMINATE LT-UNK LIMESTONE (PRIMARY CASRN IS 1317-65-3) LT-UNK PHOSPHOGYPSUM (PRIMARY CASRN IS 13397-24-5) LT-UNK]

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:

Please note that the BM-1 warning, (LT-1) that is applied to Quartz Sand used in this product, applies to this product only in its dry form, when not activated by water. This warning is to be observed during mixing with water or when aggravated during (including but not limited to, cutting, drilling, chipping, crushing or milling.) Once this concrete mix has been thoroughly mixed with water the primary risk of silica dust is diffused, as is the case with other quartz-based products, like counter-tops, electronics, or windows.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.0 Regulatory (g/l): 0.0
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: Self Declared
VOC content: Self Declared
Recycled content: Self Declared

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-09-03

PUBLISHED DATE: 2020-09-09

EXPIRY DATE: 2023-09-03



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

Q-5000 CONCRETE MIX %: 100.0000 - 100.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Other: Composite - Geological Material

RESIDUALS AND IMPURITIES NOTES: This product is evaluated based on the requirements of ASTM to meet the specifications required for the classification of this product. All information is presented below as to the ingredients used in the manufacture of this product is issued to the best of our knowledge, based on information from our suppliers and industry standard manufacturing processes used to generate the raw materials. This information is broken down to include a chemical listing of all parts which meet or exceed 1000 ppm as listed on this document.

OTHER MATERIAL NOTES: A composite preblended mixture of graded sand and stone and portland cement that meets or exceeds the specifications of ASTM C387 Standard Specification for Packaged, Dry, Combined Materials for Concrete and High Strength Mortars.

CRUSHED STONEID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-03**%: **40.0000 - 55.0000**GS: **NoGS**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:

QUARTZ (QUARTZ SAND)ID: **14808-60-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-03**%: **30.0000 - 45.0000**GS: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

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

GHS - New Zealand

6.7A - Known or presumed human carcinogens

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

MATERIAL TYPE: **Other: Cement - Binder**

RESIDUALS AND IMPURITIES NOTES: **Gray Portland Cement is the Composite of the Below Listed Materials, Components, which are processed together via the use of the combination of heat and chemical reactions to create the finished product known as Gray Portland Type I/II Cement under the specifications of ASTM C-150.**

OTHER MATERIAL NOTES: **Portland Cement has not undergone a GreenScreen Assessment, but is considered a Carcinogen Group 3B Chemical). Specific risks associated with Portland Cement are chemical burns due to skin, eye or lung contact, inhalation may cause caustic and 3rd degree burns. Proper protective gear and safety measures, as listed in the SDS for Quikrete Concrete Mixes, must be used during handling, mixing and application. All substances in this material are below the reportable threshold.**

TRICALCIUM SILICATE (PRIMARY CASRN IS 12168-85-3)

ID: **29171-41-3**

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

HAZARD SCREENING DATE: **2020-09-03**

%: **45.0000 - 55.0000**

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:

DICALCIUM SILICATE

ID: **10034-77-2**

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

HAZARD SCREENING DATE: **2020-09-03**

%: **20.0000 - 30.0000**

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:

CALCIUM ALUMINATE

ID: **12042-78-3**

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

HAZARD SCREENING DATE: **2020-09-03**

%: **5.0000 - 15.0000**

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:

LIMESTONE (PRIMARY CASRN IS 1317-65-3)

ID: **359415-48-8**

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

HAZARD SCREENING DATE: **2020-09-03**

#: **5.0000 - 10.0000**

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:

PHOSPHOGYPSUM (PRIMARY CASRN IS 13397-24-5)

ID: **70513-70-1**

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

HAZARD SCREENING DATE: **2020-09-03**

#: **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:

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

Self Declared

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE: **2023-**

CERTIFIER OR LAB: **Self**

APPLICABLE FACILITIES: **Ravena, NY / Stormville, NY**

09-03

09-03

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **This Product Does Not Emit Measurable VOC's.**

VOC CONTENT

Self Declared

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE: **2023-**

CERTIFIER OR LAB: **Self**

APPLICABLE FACILITIES: **Ravena, NY / Stormville, NY**

09-03

09-03

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **This product does not contain VOC's.**

RECYCLED CONTENT

Self Declared

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE: **2023-**

CERTIFIER OR LAB: **Self**

APPLICABLE FACILITIES: **Ravena, NY / Stormville, NY**

09-03

09-03

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **This preblended composite product contains 1.7% Pre-Consumer Recycled Content.**

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 Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Use potable water to the recommended quantity when activating this product. Do not over or under water

Section 5: General Notes

All information listed hereon is based on the blend of the ingredients used to manufacture the finished product. This information as well as the available Greenscreen List Translator file, lists components which meet or exceed the 1000 ppm threshold for the included ingredients. This information is presented as true, to the best of our knowledge, via information from our suppliers who are in compliance with the safety standards issued by OSHA, MSHA as well as the guidelines and standards established by trade organizations. As this product contains

between 80-100% mined and processed ingredients there is a natural variation which may occur in the makeup of these components. To make up for this variance we have developed a range of ingredients percentages.



MANUFACTURER INFORMATION

MANUFACTURER: **Package Pavement - Spec Mix**

ADDRESS: **P.O. Box 408**

675 Leetown Road

Stormville New York 12582, USA

WEBSITE: **www.packagepavement.com**

CONTACT NAME: **John J Doherty**

TITLE: **Vice President**

PHONE: **800-724-8193 ext. 312**

EMAIL: **jd@packagepavement.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

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 (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:

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

