

CLASSIFICATION: 04 05 13

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD covers the whole range of Blocmix® products by Daubois Products Inc. Blocmix® Laying mortar for concrete blocks is a Portland cement based laying mortar. For interior use, it is mainly used for the laying (pointing) of concrete blocks. Available in 15, 20, 25 and 30 MPa.

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
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities Considered in 1 of 2 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

AGGREGATES [**GRAVEL (GRAVEL)** NoGS] **PORTLAND CEMENT BLEND** [**PORTLAND CEMENT (PORTLAND CEMENT)** LT-P1 | **END** | **CAN GYPSUM (GYPSUM)** LT-UNK | **LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)** LT-UNK | **CALCIUM OXIDE (CALCIUM OXIDE)** LT-P1 | **MAGNESIUM OXIDE (MAGNESIUM OXIDE)** LT-UNK | **CAN QUARTZ (QUARTZ)** LT-1 | **CAN POTASSIUM SULFATE (POTASSIUM SULFATE)** LT-UNK | **SODIUM SULFATE (SODIUM SULFATE)** LT-UNK | **SILICA FUME (SILICA FUME)** LT-P1 | **CALCIUM HYDROXIDE (CALCIUM HYDROXIDE)** LT-P1]

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:

HPD prepared using a Nested Materials Inventory with a product threshold at 1,000 ppm. The content inventory includes ranges to protect Daubois' proprietary formulations. Block laying mortar contain a material with Special Conditions (defined substance without ID) as per the HPDC. Guidelines for reporting Special Conditions materials are still under development by HPDC. Daubois Products Inc. will update the HPD accordingly once these guidelines get published. Substances present in laying mortar, as well as known residuals and impurities, have been disclosed at 100 ppm. More details about how residuals and impurities were considered available in the appropriate sections.

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: Inherently non-emitting source of VOC as per LEED

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-02-13

PUBLISHED DATE: 2018-03-02

EXPIRY DATE: 2021-02-13

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

AGGREGATES

#: 55.0000 - 82.0000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not available from supplier.

OTHER MATERIAL NOTES: Aggregates are composed of sand coming from one quarry. The amount of aggregates varies among products with different performances.

GRAVEL (GRAVEL)

ID: Not registered

#: 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Main material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximation for sand.

PORTLAND CEMENT BLEND

#: 18.0000 - 45.0000

HPD URL: N/A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities identified in several supplier SDS sheets

OTHER MATERIAL NOTES: Portland cement blend is an average composition of Portland cement used in the formulation of Block laying mortar products. Therefore, the average composition introduces ranges in substance content.

PORTLAND CEMENT (PORTLAND CEMENT)

ID: 65997-15-1

#: 5.0000 - 100.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Main substance

HAZARDS:

AGENCY(IES) WITH 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: See Other Material Notes.

GYPSUM (GYPSUM)

ID: 13397-24-5

#: 1.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other Material Notes.

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 0.0000 - 50.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance present in most but not all cement formulations.

CALCIUM OXIDE (CALCIUM OXIDE)

ID: 1305-78-8

#: 0.0000 - 5.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance present in most but not all cement formulations.

MAGNESIUM OXIDE (MAGNESIUM OXIDE)

ID: 1309-48-4

#: 0.0000 - 4.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Ingredient impurity
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Substance present in most but not all cement formulations. Considered as an impurity in one formulation.

QUARTZ (QUARTZ)

ID: 14808-60-7

#: 0.0000 - 10.0000	GS: LT-1	RC: None	NANO: No	ROLE: Ingredient
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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
CANCER	Australia - GHS	H350 - May cause cancer
CANCER	Japan - GHS	Carcinogenicity - Category 1A

SUBSTANCE NOTES: Substance present in most but not all cement formulations.

POTASSIUM SULFATE (POTASSIUM SULFATE)

ID: 7778-80-5

#: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance present as an impurity in some but not all cement formulations.

SODIUM SULFATE (SODIUM SULFATE)

ID: 7757-82-6

#: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance present as an impurity in some but not all cement formulations.

SILICA FUME (SILICA FUME)

ID: 69012-64-2

#: **0.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Substance present in most but not all cement formulations.

CALCIUM HYDROXIDE (CALCIUM HYDROXIDE)

ID: 1305-62-0

#: **0.0000 - 20.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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 of VOC as per LEED

CERTIFYING PARTY: **Self-declared** ISSUE DATE: **2018-02-** EXPIRY DATE: CERTIFIER OR LAB: **-**
APPLICABLE FACILITIES: **-** **13**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: According to LEED v4 Reference Guide - Inherently nonemitting sources: products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic based surface coatings, binders, or sealants.

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.

Section 5: General Notes

Ranges are given because the inventory covers all compositions, from 15 MPa to 30 MPa.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Daubois Products Inc.**
ADDRESS: **6155 Boulevard des Grandes Prairies**
Saint-Léonard Quebec H1P 1A5, Canada
WEBSITE: **<https://www.daubois.com/en/>**

CONTACT NAME: **Technical Center**
TITLE: **Technical Assistance**
PHONE: **(770) 216-9580**
EMAIL: **technical@quikrete.com**

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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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 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.