

Name Brampton Brick 15 MPA LWT Concrete Masonry Unit with CarbonCure™



Product ID 15 MPA LWT Classification 04 20 00.00 Masonry (concrete block/brick): Unit Masonry

Website www.bramptonbrick.com

Manufacturer CarbonCure by Brampton Brick 225 Wanless Drive Brampton, ON L7A1E9 Canada
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Description This HPD applies to all configurations of Brampton Brick 15 MPA LWT Concrete Masonry Unit manufactured with CarbonCure™. The CarbonCure™ process incorporates waste carbon dioxide sourced from local smokestacks into the concrete during the manufacturing process, where it becomes chemically converted into solid calcium carbonate (limestone) embedded throughout the concrete block.

Release Date 2014-05-27 Expiry Date 2017-05-27 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/144/1207-20140527145313.pdf
Self-declared
Second Party
Third Party
Certifier
Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other.
Full Disclosure of Intentional Ingredients: Yes
Full Disclosure of Known Hazards: Yes
Disclosure Notes: MSDS sheets and Mill reports from suppliers were used to compile the information in this HPD. All known hazards have been disclosed.

Contents in Descending Order of Quantity

CALCIUM OXIDE , BLAST FURNACE SLAG , Gravel , MAGNESIUM OXIDE , QUARTZ , Mica , LIMESTONE; CALCIUM CARBONATE , FERRIC OXIDE , SODIUM OXIDE , SULFUR TRIOXIDE , ALUMINUM OXIDE , (C10-C16) ALKYL BENZENESULFONIC ACID, TRIETHANOLAMINE , (M-CHLOROPHENYL)DIETHANOLAMINE , Manganese oxide , Iron titanium oxide

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory.
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A.
Does the product contain exempt VOCs? N/A
Are there VOC-free tints available? N/A

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

| Name | CAS RN | % weight | GS | RC | Nano | Role |
|---------------------------|---|-----------|------|----|------|----------------------|
| Hazard A | Warning A | | | | | |
| Hazard B | Warning B | | | | | |
| Hazard C | Warning C | | | | | |
| Hazard D | Warning D | | | | | |
| Hazard E | Warning E | | | | | |
| Notes | | | | | | |
| CALCIUM OXIDE | 1305-78-8 | 30 - 40 % | LT-U | N | N | Aggregate and binder |
| None found | No warnings found on HPD Priority lists | | | | | |
| BLAST FURNACE SLAG | 65996-69-2 | 30 - 40 % | LT-U | PI | N | Aggregate |
| None found | No warnings found on HPD Priority lists | | | | | |
| | Slag is a nonmetallic byproduct from the production of iron. | | | | | |
| Gravel | Not registered | 10 - 20 % | | N | N | Aggregate |
| None found | No warnings found on HPD Priority lists | | | | | |
| | Naturally occurring sand sourced from Ontario. | | | | | |
| MAGNESIUM OXIDE | 1309-48-4 | 10 - 20 % | LT-U | N | N | Binder |
| None found | No warnings found on HPD Priority lists | | | | | |
| QUARTZ | 14808-60-7 | 1 - 10 % | LT-1 | N | N | Aggregate |
| CANCER | IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65) | | | | | |
| | Crystalline silica is a naturally occurring component of sand, as well as a component of cement. It is unavoidable in concrete products. Hazards are applicable to individuals exposed to large quantities of quartz in dust particle form. | | | | | |

| | | | | | | |
|--|---|------------|------|---|---|-----------|
| Mica | 12001-26-2 | 1 - 10 % | LT-U | N | N | Aggregate |
| None found | No warnings found on HPD Priority lists | | | | | |
| LIMESTONE; CALCIUM CARBONATE | 1317-65-3 | 0.1 - 1 % | LT-U | N | N | Aggregate |
| None found | No warnings found on HPD Priority lists | | | | | |
| FERRIC OXIDE | 1309-37-1 | 0.1 - 1 % | LT-U | N | N | Binder |
| CANCER | MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification | | | | | |
| SODIUM OXIDE | 1313-59-3 | 0.1 - 1 % | LT-U | N | N | Binder |
| None found | No warnings found on HPD Priority lists | | | | | |
| SULFUR TRIOXIDE | 7446-11-9 | 0.1 - 1 % | LT-U | N | N | Binder |
| None found | No warnings found on HPD Priority lists | | | | | |
| ALUMINUM OXIDE | 1344-28-1 | 0.1 - 1 % | LT-U | N | N | Binder |
| RESPIRATORY | AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | | | | |
| (C10-C16) ALKYL BENZENESULFONIC ACID, TRIETHANOLAMINE | 68584-25-8 | 0 - 0.01 % | LT-U | N | N | Admixture |
| None found | No warnings found on HPD Priority lists | | | | | |
| (M-CHLOROPHENYL)DIETHANOLAMINE | 92-00-2 | 0 - 0.01 % | | N | N | Admixture |
| None found | No warnings found on HPD Priority lists | | | | | |
| Manganese oxide | 11129-60-5 | R | LT-U | | | Unknown |
| None found | No warnings found on HPD Priority lists | | | | | |
| | Slag is a nonmetallic byproduct from the production of iron. Trace amounts of manganese oxide may be detected during chemical analysis. | | | | | |
| Iron titanium oxide | 12789-64-9 | R | LT-U | | | Unknown |
| None found | No warnings found on HPD Priority lists | | | | | |
| | Slag is a nonmetallic byproduct from the production of iron. Trace amounts of titanium oxide may be detected during chemical analysis. | | | | | |

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

| Type | Standard or Certification | | | Certifier or Laboratory |
|------------------|---------------------------|------------|-------------|-------------------------|
| | Certifying Party | Issue Date | Expiry Date | Certificate URL |
| | Applicable Facilities | | | |
| | Notes | | | |
| VOC Emissions | Not tested | | | |
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| VOC Content | N/A | | | |
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| | | | | |
| Recycled Content | Not tested | | | |
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| | | | | |
| Other | | | | |
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ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

| Required or Recommended Product | URL for Companion Health Product Declaration |
|--|--|
| Condition when required or recommended and/or other notes | |
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NOTES

This HPD declares a BM1 category health hazard from crystalline silica, which naturally exists in concrete aggregates and is present in all concrete products. All hazards stated are risks associated with basic materials; these hazards are not applicable to end users of the final product (possible exception: mason exposed to dust particles by cutting concrete). This product has no VOC emissions.