

CLASSIFICATION: 32 14 13

PRODUCT DESCRIPTION: This HPD covers Prestige and Citadin Premium products by Bolduc, in all colors and finishes available. The products comply to CSA A231.1/A231.2 for precast concrete paving slabs and precast concrete pavers.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

☒ Nested Materials Method

☐ Basic Method

Threshold level

☐ 100 ppm

☒ 1,000 ppm

☐ Per GHS SDS

☐ Per OSHA MSDS

☐ Other

Residuals/Impurities

Residuals/Impurities  
Considered in 3 of 5 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 except SC substances characterized according to SC guidance.

Screened

☒ Yes Ex/SC ☐ Yes ☐ No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified

☒ Yes Ex/SC ☐ Yes ☐ No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC 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

SC:GEOMAT:SAND [ SC:GRANITE Not Screened SC:NATURAL SAND Not Screened SC:NON-ALTERED ANORTHOSITE Not Screened SC:NATURAL CALCITE Not Screened ] SC:GEOMAT:AGGREGATES [ SC:NON-ALTERED ANORTHOSITE Not Screened SC:NATURAL CALCITE Not Screened SC:NATURAL CALCIUM CARBONATE Not Screened SC:BASALT Not Screened ] CEMENT [ PORTLAND CEMENT LT-P1 | END | CAN GYPSUM LT-UNK SILICA FUME LT-P1 | CAN ] WATER [ WATER BM-4 ] ADMIXTURES [ WATER BM-4 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILLO)TETRAKISETHANOL NoGS TRIETHOXYOCTYLSILANE LT-UNK ALKENES, C14-16 ALPHA-, SULFONATED, SODIUM SALTS LT-UNK ACETIC ACID 30% (ACETIC ACID) LT-UNK | RES | SKI GUM ROSIN (GUM ROSIN (ROSIN)) LT-P1 | SKI ]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: GeologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

Prestige and Citadin Premium products by Bolduc have been screened at 1,000 ppm so that all intentional materials and known potential residuals and impurities present above that threshold have been reported. It is important to note that pigments have not been reported in this HPD since they are below 1,000 ppm. Prestige and Citadin Premium contains special condition materials, geological materials, which have been reported accordingly.

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Not Applicable

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

☐ Yes

☒ No

PREPARER: Vertima  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2020-03-06  
PUBLISHED DATE: 2020-03-06  
EXPIRY DATE: 2023-03-06

PRESTIGE & CITADIN PREMIUM PRODUCTS  
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## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|
| SC:GEOMAT:SAND                                                                                                                                                                                                                                                                                                                                                                                                                            |  | %: 39.80 - 45.20                         |  |
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                                                                                                                                                                                                               |  | RESIDUALS AND IMPURITIES CONSIDERED: Yes |  |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities considered as prescribed in the Special Conditions guidelines.                                                                                                                                                                                                                                                                                                                   |  |                                          |  |
| OTHER MATERIAL NOTES: SpecialConditionApplied:GeologicalMaterial --- Several types of sand from different suppliers are used in the manufacturing of these products, as described in the substances. Since the product composition and types of sand used varies slightly among colors, there is a difference in terms of weight %. It has been decided to declare all types of sand under the same material with an average composition. |  |                                          |  |

|                                                                                                                                                                                                                                                                                    |                        |                                   |          |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|----------|------------------------|
| SC:GRANITE                                                                                                                                                                                                                                                                         |                        | ID: SC:GeoMat                     |          |                        |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library                                                                                                                                                                                                                     |                        | HAZARD SCREENING DATE: 2020-03-06 |          |                        |
| %: 81.00 - 87.20                                                                                                                                                                                                                                                                   | GS: Not Screened       | RC: None                          | NANO: No | ROLE: Main constituent |
| HAZARD TYPE                                                                                                                                                                                                                                                                        | AGENCY AND LIST TITLES | WARNINGS                          |          |                        |
| Hazard Screening not performed                                                                                                                                                                                                                                                     |                        |                                   |          |                        |
| SUBSTANCE NOTES:<br>Version: SCGeoMats/2018-02-23<br>Origin: Québec (QC) Canada<br>Typical Composition: Granite<br>Potential presence of toxic metals: None according to supplier<br>Presence of Radioactive Elements: None according to supplier<br><br>See Other Material Notes. |                        |                                   |          |                        |

|                                                                |                        |                                   |          |                        |
|----------------------------------------------------------------|------------------------|-----------------------------------|----------|------------------------|
| SC:NATURAL SAND                                                |                        | ID: SC:GeoMat                     |          |                        |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                        | HAZARD SCREENING DATE: 2020-03-06 |          |                        |
| %: 12.40 - 14.10                                               | GS: Not Screened       | RC: None                          | NANO: No | ROLE: Main constituent |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES | WARNINGS                          |          |                        |
| Hazard Screening not performed                                 |                        |                                   |          |                        |

## SUBSTANCE NOTES:

Version: SCGeoMats/2018-02-23

Origin: Vallée-Jonction (QC) Canada

Typical Composition: unknown

Potential presence of toxic metals: None according to supplier

Presence of Radioactive Elements: None according to supplier

See Other Material Notes.

## SC:NON-ALTERED ANORTHOSITE

ID: SC:GeoMat

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-06

%: 0.00 - 4.60

GS: Not Screened

RC: PreC

NANO: No

ROLE: Main constituent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

## SUBSTANCE NOTES:

Version: SCGeoMats/2018-02-23

Origin: Havre-St-Pierre (QC) Canada

Typical Composition: Granitic composition

Potential presence of toxic metals: None according to supplier

Presence of Radioactive Elements: None according to supplier

This natural aggregate is considered a 100% pre-consumer recycled content since it is recovered from mining operations.

## SC:NATURAL CALCITE

ID: SC:GeoMat

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-06

%: 0.00 - 4.00

GS: Not Screened

RC: None

NANO: No

ROLE: Main constituent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

## SUBSTANCE NOTES:

Version: SCGeoMats/2018-02-23

Origin: Dolbeau-Mistassini (QC) Canada

Typical Composition: CaCO<sub>3</sub>

Potential presence of toxic metals: None according to supplier

Presence of Radioactive Elements: None according to supplier

See Other Material Notes.

## SC:GEOMAT:AGGREGATES

%: 30.80 - 36.30

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities considered as prescribed in the Special Conditions guidelines.

OTHER MATERIAL NOTES: SpecialConditionApplied:GeologicalMaterial --- Several types of aggregates from different suppliers are used in the manufacturing of these products, as described in the substances. Since the product composition and types of aggregates used varies slightly among colors, there is a difference in terms of weight %. It has been decided to declare all types of aggregates under the same material with an average composition.

| SC:NON-ALTERED ANORTHOSITE                                                                                                                                                                                                                                                                                                                                                                             |                         |                                          |                 | ID: SC:GeoMat                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                                                                                                                                  |                         | HAZARD SCREENING DATE: <b>2020-03-06</b> |                 |                               |
| %: <b>0.00 - 10.00</b>                                                                                                                                                                                                                                                                                                                                                                                 | GS: <b>Not Screened</b> | RC: <b>PreC</b>                          | NANO: <b>No</b> | ROLE: <b>Main constituent</b> |
| HAZARD TYPE                                                                                                                                                                                                                                                                                                                                                                                            | AGENCY AND LIST TITLES  | WARNINGS                                 |                 |                               |
| Hazard Screening not performed                                                                                                                                                                                                                                                                                                                                                                         |                         |                                          |                 |                               |
| SUBSTANCE NOTES:<br>Version: SCGeoMats/2018-02-23<br>Origin: Havre-St-Pierre (QC) Canada<br>Typical Composition: Granitic composition<br>Potential presence of toxic metals: None according to supplier<br>Presence of Radioactive Elements: None according to supplier<br><br>This natural aggregate is considered a 100% pre-consumer recycled content since it is recovered from mining operations. |                         |                                          |                 |                               |

| SC:NATURAL CALCITE                                                                                                                                                                                                                                                                                       |                         |                 | ID: SC:GeoMat                            |                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|------------------------------------------|-------------------------------|--|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                                    |                         |                 | HAZARD SCREENING DATE: <b>2020-03-06</b> |                               |  |
| %: <b>0.00 - 9.50</b>                                                                                                                                                                                                                                                                                    | GS: <b>Not Screened</b> | RC: <b>None</b> | NANO: <b>No</b>                          | ROLE: <b>Main constituent</b> |  |
| HAZARD TYPE                                                                                                                                                                                                                                                                                              | AGENCY AND LIST TITLES  | WARNINGS        |                                          |                               |  |
| Hazard Screening not performed                                                                                                                                                                                                                                                                           |                         |                 |                                          |                               |  |
| SUBSTANCE NOTES:<br>Version: SCGeoMats/2018-02-23<br>Origin: Dolbeau-Mistassini (QC) Canada<br>Typical Composition: CaCO <sub>3</sub><br>Potential presence of toxic metals: None according to supplier<br>Presence of Radioactive Elements: None according to supplier<br><br>See Other Material Notes. |                         |                 |                                          |                               |  |

| SC:NATURAL CALCIUM CARBONATE                                          |                         |                                          |                 | ID: SC:GeoMat                 |
|-----------------------------------------------------------------------|-------------------------|------------------------------------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                         | HAZARD SCREENING DATE: <b>2020-03-06</b> |                 |                               |
| %: <b>0.00 - 79.80</b>                                                | GS: <b>Not Screened</b> | RC: <b>None</b>                          | NANO: <b>No</b> | ROLE: <b>Main constituent</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES  | WARNINGS                                 |                 |                               |
| Hazard Screening not performed                                        |                         |                                          |                 |                               |

## SUBSTANCE NOTES:

Version: SCGeoMats/2018-02-23

Origin: St-Marc (QC) Canada

Typical Composition: CaCO<sub>3</sub>

Potential presence of toxic metals: None according to supplier

Presence of Radioactive Elements: None according to supplier

List of naturally occurring impurities in this geological substance, as declared by supplier:

- Magnesium carbonate, CAS# 546-93-0, 0.70%
- Silica (SiO<sub>2</sub>), CAS# 14808-60-7, 2.10%
- Ferric oxide, CAS# 1309-37-1, 0.25%

## SC: BASALT

ID: SC:GeoMat

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-06

%: 0.00 - 90.40

GS: Not Screened

RC: None

NANO: No

ROLE: Main constituent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

## SUBSTANCE NOTES:

Version: SCGeoMats/2018-02-23

Origin: Bellechasse (QC) Canada

Typical Composition: Basalt

Potential presence of toxic metals: Yes, all under 1,000 ppm. Test showed trace amounts of As, Cd, Cr, Co, Sn, Hg, Ni and Pb all under 200 ppm.

Presence of Radioactive Elements: None according to supplier

See Other Material Notes.

## CEMENT

%: 17.60 - 18.20

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information about residuals and impurities not provided by manufacturer.

OTHER MATERIAL NOTES: Several types of cements from different suppliers are used in the manufacturing of these products (white cement, type 10 SF, GU). Since the product composition and types of cements used varies slightly among colors, there is a difference in terms of weight %. It has been decided to declare all types of cements under the same material with an average composition.

PORTLAND CEMENT

ID: 65997-15-1

|                                                                       |                                       |                                                                                              |                 |                               |
|-----------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                                       | HAZARD SCREENING DATE: <b>2020-03-06</b>                                                     |                 |                               |
| %: <b>0.00 - 97.00</b>                                                | GS: <b>LT-P1</b>                      | RC: <b>UNK</b>                                                                               | NANO: <b>No</b> | ROLE: <b>Main constituent</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES                | 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: <b>See Other Material Notes.</b>                     |                                       |                                                                                              |                 |                               |

GYPSUM

ID: 13397-24-5

|                                                                       |                        |                                                |                 |                              |
|-----------------------------------------------------------------------|------------------------|------------------------------------------------|-----------------|------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2020-03-06</b>       |                 |                              |
| %: <b>0.00 - 9.70</b>                                                 | GS: <b>LT-UNK</b>      | RC: <b>UNK</b>                                 | NANO: <b>No</b> | ROLE: <b>Retarding agent</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                       |                 |                              |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists |                 |                              |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                        |                                                |                 |                              |

SILICA FUME

ID: 69012-64-2

|                                                                       |                        |                                          |                                        |                                                  |
|-----------------------------------------------------------------------|------------------------|------------------------------------------|----------------------------------------|--------------------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2020-03-06</b> |                                        |                                                  |
| %: <b>0.00 - 9.70</b>                                                 | GS: <b>LT-P1</b>       | RC: <b>UNK</b>                           | NANO: <b>No</b>                        | ROLE: <b>Supplementary cementitious material</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES |                                          | WARNINGS                               |                                                  |
| CANCER                                                                | GHS - Australia        |                                          | H350i - May cause cancer by inhalation |                                                  |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                        |                                          |                                        |                                                  |

WATER

%: 5.70 - 5.80

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| PRODUCT THRESHOLD: <b>1000 ppm</b> | RESIDUALS AND IMPURITIES CONSIDERED: <b>No</b> |
|------------------------------------|------------------------------------------------|

RESIDUALS AND IMPURITIES NOTES: City water is not considered as a material with residuals and impurities.

OTHER MATERIAL NOTES: Standard water is used (municipal).

| WATER                                                          |                        |          |                                                |                        | ID: 7732-18-5 |
|----------------------------------------------------------------|------------------------|----------|------------------------------------------------|------------------------|---------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                        |          | HAZARD SCREENING DATE: 2020-03-06              |                        |               |
| %: 100.00                                                      | GS: BM-4               | RC: None | NANO: No                                       | ROLE: Main constituent |               |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES |          | WARNINGS                                       |                        |               |
| None found                                                     |                        |          | No warnings found on HPD Priority Hazard Lists |                        |               |
| SUBSTANCE NOTES: See Other Material Notes.                     |                        |          |                                                |                        |               |

ADMIXTURES %: 0.10

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RESIDUALS AND IMPURITIES CONSIDERED: Yes |
| RESIDUALS AND IMPURITIES NOTES: No residuals or impurities reported by the supplier above the disclosure threshold.                                                                                                                                                                                                                                                                                                                                                                                  |                                          |
| OTHER MATERIAL NOTES: Several types of admixtures are used in the manufacturing of these products: plasticizers, air entrainer and water-repellent. Since the product composition varies slightly among colors, there is a difference in terms of weight %. It has been decided to declare all types of admixtures under the same material with an average composition. Individually, each admixture is under the disclosure threshold, but when combined together the total w% is superior to 0.1%. |                                          |

| WATER                                                                 |                        |                 |                                                |                      | ID: 7732-18-5 |
|-----------------------------------------------------------------------|------------------------|-----------------|------------------------------------------------|----------------------|---------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        |                 | HAZARD SCREENING DATE: <b>2020-03-06</b>       |                      |               |
| %: <b>31.10 - 100.00</b>                                              | GS: <b>BM-4</b>        | RC: <b>None</b> | NANO: <b>No</b>                                | ROLE: <b>Solvent</b> |               |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES |                 | WARNINGS                                       |                      |               |
| None found                                                            |                        |                 | No warnings found on HPD Priority Hazard Lists |                      |               |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                        |                 |                                                |                      |               |

| 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILO)TETRAKISETHANOL                |                        |                |                                                |                                | ID: 140-07-8 |
|-----------------------------------------------------------------------|------------------------|----------------|------------------------------------------------|--------------------------------|--------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        |                | HAZARD SCREENING DATE: <b>2020-03-06</b>       |                                |              |
| %: <b>8.60 - 21.50</b>                                                | GS: <b>NoGS</b>        | RC: <b>UNK</b> | NANO: <b>No</b>                                | ROLE: <b>Strength enhancer</b> |              |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES |                | WARNINGS                                       |                                |              |
| None found                                                            |                        |                | No warnings found on HPD Priority Hazard Lists |                                |              |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                        |                |                                                |                                |              |

|                                                                       |  |  |                                                |  |  |
|-----------------------------------------------------------------------|--|--|------------------------------------------------|--|--|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |  |  | HAZARD SCREENING DATE: <b>2020-03-06</b>       |  |  |
| %                                                                     |  |  | ROLE:                                          |  |  |
| <b>4.50 - 11.40</b>                                                   |  |  | <b>Hydrophobic agent</b>                       |  |  |
| GS: <b>LT-UNK</b>                                                     |  |  | RC: <b>None</b>                                |  |  |
|                                                                       |  |  | NANO: <b>No</b>                                |  |  |
| HAZARD TYPE                                                           |  |  | WARNINGS                                       |  |  |
| AGENCY AND LIST TITLES                                                |  |  |                                                |  |  |
| None found                                                            |  |  | No warnings found on HPD Priority Hazard Lists |  |  |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |  |  |                                                |  |  |

|                                                                       |                        |                                                |                 |                         |
|-----------------------------------------------------------------------|------------------------|------------------------------------------------|-----------------|-------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                        | HAZARD SCREENING DATE: <b>2020-03-06</b>       |                 |                         |
| %: <b>0.10 - 1.00</b>                                                 | GS: <b>LT-UNK</b>      | RC: <b>None</b>                                | NANO: <b>No</b> | ROLE: <b>Surfactant</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES | WARNINGS                                       |                 |                         |
| None found                                                            |                        | No warnings found on HPD Priority Hazard Lists |                 |                         |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                        |                                                |                 |                         |

|                                                                       |                         |                                                           |                 |                               |
|-----------------------------------------------------------------------|-------------------------|-----------------------------------------------------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                         | HAZARD SCREENING DATE: <b>2020-03-06</b>                  |                 |                               |
| %: <b>0.00 - 4.30</b>                                                 | GS: <b>LT-UNK</b>       | RC: <b>None</b>                                           | NANO: <b>No</b> | ROLE: <b>Acidifying agent</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES  | WARNINGS                                                  |                 |                               |
| RESPIRATORY                                                           | AOEC - Asthmagens       | Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced |                 |                               |
| SKIN IRRITATION                                                       | EU - GHS (H-Statements) | H314 - Causes severe skin burns and eye damage            |                 |                               |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                         |                                                           |                 |                               |

|                                                                       |                         |                                                         |                 |                                    |
|-----------------------------------------------------------------------|-------------------------|---------------------------------------------------------|-----------------|------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                         | HAZARD SCREENING DATE: <b>2020-03-06</b>                |                 |                                    |
| %: <b>0.00 - 0.30</b>                                                 | GS: <b>LT-P1</b>        | RC: <b>None</b>                                         | NANO: <b>No</b> | ROLE: <b>Air-entrainment agent</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES  | WARNINGS                                                |                 |                                    |
| SKIN SENSITIZE                                                        | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction              |                 |                                    |
| SKIN SENSITIZE                                                        | MAK                     | Sensitizing Substance Sh - Danger of skin sensitization |                 |                                    |
| SUBSTANCE NOTES: <b>See Other Material Notes.</b>                     |                         |                                                         |                 |                                    |



## 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

CDPH Standard Method V1.2 (Section 01350/CHPS) - Not Applicable

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2019-**

EXPIRY DATE:

CERTIFIER OR LAB: **-**

APPLICABLE FACILITIES: **All**

**08-16**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Exterior products**

## 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

Prestige PM and Citadin PM are 2 concrete products, meaning that the product is composed of a base concrete, and a face concrete that has a typical minimum thickness of 6 mm. Prestige PM and Citadin PM can be 65 mm or 80 mm-thick.



### MANUFACTURER INFORMATION

MANUFACTURER: **BOLDUC Concrete product**

**manufacturer**

ADDRESS: **1358, 2e rue**

**Ste-Marie QC G6E 1G8, Canada**

WEBSITE: **www.bolduc.ca**

CONTACT NAME: **Guy Turcotte**

TITLE: **Head of performance and quality improvement**

PHONE: **1-800-463-8966**

EMAIL: **gturcotte@bolduc.ca**

### 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)

**NoGS** 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 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.*