

SCREENING DATE: 2025-12-12  
PUBLISHED DATE: 2025-12-12  
EXPIRY DATE: 2028-12-12  
PREPARER: Elixir Environmental

HPD UNIQUE IDENTIFIER: 1380950016  
HPD UNIQUE PRODUCT ID: Not provided.  
CLASSIFICATION: 09 28 00 Backing Boards and Underlayments  
PRODUCT TYPE: Water-Resistant Backing (Gypsum Board)  
Mold-Resistant (Gypsum Board)

**PRODUCT DESCRIPTION:** Gold Bond® eXP® Fire-Shield® Tile Backer consists of a moisture- and mold-resistant gypsum core encased in an acrylic-coated, specially designed fiberglass mat on the face, back and sides. Available with a Type X core with glass mat folded around the long edges to reinforce and protect the core, eXP Tile Backer can be used as a substrate for tile applications in high-moisture areas, including showers, bathrooms, indoor swimming pools, laundry rooms and kitchens. Also a code-compliant substrate for tile and other finishes in both wet and non-wet areas, areas of high humidity and fire-rated assemblies, it is ideally suited for a variety of interior applications. National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC, PermaBASE Building Products, LLC and ProForm Finishing Products, LLC.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

|                                                         |                                                                  |                                                                            |
|---------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------|
| Inventory Reporting Format<br>→ Nested Materials Method | Residuals/Impurities Evaluation<br>Completed in 3 of 3 Materials | For all contents above the threshold, the manufacturer has:                |
| Threshold Disclosed Per<br>→ Product                    | Explanation(s) provided for Residuals/Impurities?<br>Yes         | Characterized<br>Provided weight and role.<br>Yes                          |
| Threshold Level<br>→ 100 ppm                            |                                                                  | Screened<br>Provided screening results using HPDC-approved methods.<br>Yes |
|                                                         |                                                                  | Identified<br>Provided name and CAS RN or other identifier.<br>No          |

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  
GYPSUM CORE [ GYPSUM BM-3dg | MAM  
POLY(METHYLHYDROSILOXANE) NoGS GLASS / MINERAL FIBER  
LT-UNK POTASSIUM SULFATE LT-UNK SODIUM  
POLYNAPHTHALENESULFONATE LT-P1 | PBT BORIC ACID LT-1 |  
END | DEV | REP | MUL | MAM | EYE | SKI DEXTROSE BM-3 2-  
PYRIDINETHIOL, 1-OXIDE, SODIUM SALT LT-P1 | MUL | SKI | EYE |  
MAM | AQU ] GLASS MAT FACERS [ CALCIUM CARBONATE BM-3 |  
EYE GLASS / MINERAL FIBER LT-UNK UNDISCLOSED LT-UNK  
UNDISCLOSED LT-UNK POLYVINYL ALCOHOL LT-UNK  
UNDISCLOSED NoGS UNDISCLOSED LT-P1 | SKI UNDISCLOSED LT-  
UNK 2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL LT-UNK | EYE | AQU  
] PAINT/PRIMER [ LIMESTONE BM-3dg UNDISCLOSED LT-UNK  
TITANIUM DIOXIDE BM-1 \* | CAN | END | MAM UNDISCLOSED LT-UNK  
ZINC OXIDE BM-1 | END | MUL | AQU | MAM | REP UNDISCLOSED BM-  
3dg TALC BM-1 | CAN | MAM ]

Number of Greenscreen BM-4/BM3 contents ... 5  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ...  
BM-1, LT-P1, LT-1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 3.0, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight.

\*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.

COMPLIANCE See Section 3 for additional listings.  
VOC emissions: UL/GreenGuard Gold Certified  
Evaluation Report: ICC-ES Evaluation Report (ESR-3234)

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

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 3.0, available on the HPDC website at: [www.hpd-collaborative.org/hpd-3-0-standard](http://www.hpd-collaborative.org/hpd-3-0-standard)

|                                                                                                                                                                                                                                                                                                                  |                                                    |                                              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------|--|
| GYPSUM CORE                                                                                                                                                                                                                                                                                                      |                                                    | %: 94.3000 - 96.8000                         |  |
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                       | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Geologically Derived Material |  |
| RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML). |                                                    |                                              |  |
| OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges to account for formulation variations between manufacturing facilities, and due to the disclosure preference of suppliers.                                                                                                 |                                                    |                                              |  |

|                                                                                                                                                                                                                                                                         |                      |          |                                                                                                         |                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|---------------------------------------------------------------------------------------------------------|-------------------------------------|--|
| GYPSUM                                                                                                                                                                                                                                                                  |                      |          |                                                                                                         | ID: 13397-24-5                      |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                                                                                                                                               |                      |          | HAZARD SCREENING DATE: 2025-12-12 12:46:35                                                              |                                     |  |
| %: 98.6000 - 99.2000                                                                                                                                                                                                                                                    | GreenScreen: BM-3dg  | RC: PreC | NANO: No                                                                                                | SUBSTANCE ROLE: Structure component |  |
| HAZARD TYPE                                                                                                                                                                                                                                                             | LIST NAME AND SOURCE |          | WARNINGS                                                                                                |                                     |  |
| MAM                                                                                                                                                                                                                                                                     | GHS - Japan          |          | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                     |  |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                     | LIST NAME AND SOURCE |          | NOTIFICATION                                                                                            |                                     |  |
| None found                                                                                                                                                                                                                                                              |                      |          | No listings found on Additional Hazard Lists                                                            |                                     |  |
| SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3dg was provided by the HPD Builder Tool. The use of pre-consumer recycled content gypsum, or FGD gypsum, varies by manufacturing location. Please contact manufacturer if more information is required. |                      |          |                                                                                                         |                                     |  |

|                                                           |                      |          |                                                |                                  |
|-----------------------------------------------------------|----------------------|----------|------------------------------------------------|----------------------------------|
| POLY(METHYLHYDROSILOXANE)                                 |                      |          |                                                | ID: 63148-57-2                   |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |          | HAZARD SCREENING DATE: 2025-12-12 12:46:36     |                                  |
| %: 0.2000 - 0.4000                                        | GreenScreen: NoGS    | RC: None | NANO: No                                       | SUBSTANCE ROLE: Water resistance |
| HAZARD TYPE                                               | LIST NAME AND SOURCE |          | WARNINGS                                       |                                  |
| None found                                                |                      |          | No warnings found on HPD Priority Hazard Lists |                                  |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE |          | NOTIFICATION                                   |                                  |
| None found                                                |                      |          | No listings found on Additional Hazard Lists   |                                  |

SUBSTANCE NOTES:

GLASS / MINERAL FIBER

ID: 65997-17-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-12-12 12:46:38

%: 0.1000 - 0.3000      GreenScreen: LT-UNK      RC: None      NANO: No      SUBSTANCE ROLE: Structure component

HAZARD TYPE      LIST NAME AND SOURCE      WARNINGS

None found      No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS      LIST NAME AND SOURCE      NOTIFICATION

EXEMPT      European Union / European Commission (EU EC)      EU - REACH Exemptions  
Exempted from REACH Annex V listing due to intrinsic safety

SUBSTANCE NOTES:

POTASSIUM SULFATE

ID: 7778-80-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-12-12 12:46:37

%: 0.1000 - 0.3000      GreenScreen: LT-UNK      RC: None      NANO: No      SUBSTANCE ROLE: Water resistance

HAZARD TYPE      LIST NAME AND SOURCE      WARNINGS

None found      No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS      LIST NAME AND SOURCE      NOTIFICATION

None found      No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

SODIUM POLYNAPHTHALENESULFONATE

ID: 9084-06-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-12-12 12:46:38

%: 0.0500 - 0.2000      GreenScreen: LT-P1      RC: None      NANO: No      SUBSTANCE ROLE: Dispersant

HAZARD TYPE      LIST NAME AND SOURCE      WARNINGS

PBT      EC - CEPA DSL      Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                         | NOTIFICATION                                                                                   |
|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | International Living Future Institute (ILFI) | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 |
|                     |                                              | Red List substances to avoid in Living Building Challenge V4.0 projects                        |

SUBSTANCE NOTES: Declare Program Exception available for this substance: RL-009b Formaldehyde. GREENGUARD Gold Certification confirms that emissions levels in the final product comply with the thresholds required by Declare 2.0. Suppliers confirm free formaldehyde present at less than 0.05% in the dispersant product, which equates to less than 1 ppm in the gypsum core.

BORIC ACID

ID: 10043-35-3

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                  | HAZARD SCREENING DATE: <b>2025-12-12 12:46:37</b> |                               |
|------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------|
| %: <b>0.0000 - 0.0500</b>                                        | GreenScreen: <b>LT-1</b>                  | RC: <b>None</b>                                                                                                  | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Buffer</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                                         |                                                   |                               |
| END                                                              | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                    |                                                   |                               |
| DEV                                                              | MAK                                       | Pregnancy Risk Group B                                                                                           |                                                   |                               |
| REP                                                              | EU - Annex VI CMRs                        | Reproductive Toxicity - Category 1B                                                                              |                                                   |                               |
| MUL                                                              | ChemSec - SIN List                        | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                             |                                                   |                               |
| END                                                              | EU - Priority Endocrine Disruptors        | Category 1 - In vivo evidence of Endocrine Disruption Activity                                                   |                                                   |                               |
| REP                                                              | GHS - Japan                               | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]                            |                                                   |                               |
| REP                                                              | GHS - Australia                           | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]           |                                                   |                               |
| REP                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]           |                                                   |                               |
| MAM                                                              | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]          |                                                   |                               |
| EYE                                                              | GHS - New Zealand                         | Eye irritation category 2                                                                                        |                                                   |                               |
| MAM                                                              | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |                                                   |                               |
| SKI                                                              | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                         |                                                   |                               |
| REP                                                              | GHS - New Zealand                         | Reproductive toxicity category 2                                                                                 |                                                   |                               |
| REP                                                              | EU - SVHC List                            | Toxic to reproduction - Candidate list                                                                           |                                                   |                               |
| REP                                                              | EU - SVHC List                            | Toxic to reproduction - Prioritized for listing                                                                  |                                                   |                               |
| REP                                                              | EU - REACH Annex XVII CMRs                | Reproductive toxicants: Category 1B                                                                              |                                                   |                               |

| ADDITIONAL LISTINGS                                                                                                              | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                  | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                    |
| RESTRICTED LIST                                                                                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                         |
| RESTRICTED LIST                                                                                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products              |
| RESTRICTED LIST                                                                                                                  | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: Substance may not be used in all formulations; please contact the manufacturer if more information is required. |                                                         |                                                                                                                                |

DEXTROSE

ID: 50-99-7

|                                                                                                                                                                                                                        |                                              |                 |                                                              |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------|--------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                       |                                              |                 | HAZARD SCREENING DATE: <b>2025-12-12 12:46:38</b>            |                               |
| %: <b>0.0000 - 0.0400</b>                                                                                                                                                                                              | GreenScreen: <b>BM-3</b>                     | RC: <b>None</b> | NANO: <b>No</b>                                              | SUBSTANCE ROLE: <b>Buffer</b> |
| HAZARD TYPE                                                                                                                                                                                                            | LIST NAME AND SOURCE                         |                 | WARNINGS                                                     |                               |
| None found                                                                                                                                                                                                             |                                              |                 | No warnings found on HPD Priority Hazard Lists               |                               |
| ADDITIONAL LISTINGS                                                                                                                                                                                                    | LIST NAME AND SOURCE                         |                 | NOTIFICATION                                                 |                               |
| EXEMPT                                                                                                                                                                                                                 | European Union / European Commission (EU EC) |                 | EU - REACH Exemptions                                        |                               |
|                                                                                                                                                                                                                        |                                              |                 | Exempted from REACH Annex IV listing due to intrinsic safety |                               |
| SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3 was provided by the HPD Builder Tool. Substance may not be used in all formulations; please contact the manufacturer if more information is required. |                                              |                 |                                                              |                               |

2-PYRIDINETHIOL, 1-OXIDE, SODIUM SALT

ID: 3811-73-2

|                                                                  |                           |                 |                                                   |                                                |
|------------------------------------------------------------------|---------------------------|-----------------|---------------------------------------------------|------------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                 | HAZARD SCREENING DATE: <b>2025-12-12 12:46:38</b> |                                                |
| %: <b>0.0100 - 0.0200</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Antimicrobial Pesticide</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|---------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 3 - Severe Hazard to Waters                                                                                                                         |
| SKI                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                                                    |
| EYE                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| MAM                 | EU - GHS (H-Statements) Annex 6 Table 3-1                | H311 - Toxic in contact with skin [Acute toxicity (dermal) - Category 3]                                                                                  |
| MAM                 | GHS - Japan                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Australia                                          | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| SKI                 | GHS - Japan                                              | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| AQU                 | GHS - Japan                                              | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                                                             |
| AQU                 | GHS - Japan                                              | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| MAM                 | GHS - Japan                                              | H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]                                                                            |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products                            |

SUBSTANCE NOTES:

|                                                                                                                                                                                                                                                                                                                  |  |                                                    |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|----------------------|
| GLASS MAT FACERS                                                                                                                                                                                                                                                                                                 |  | %: 3.2000 - 5.8000                                 |                      |
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                       |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Glass |
| RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML). |  |                                                    |                      |
| OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges to account for formulation variations between manufacturing facilities, and due to the disclosure preference of suppliers.                                                                                                 |  |                                                    |                      |

|                                                                                                        |                      |          |                                              |                        |
|--------------------------------------------------------------------------------------------------------|----------------------|----------|----------------------------------------------|------------------------|
| CALCIUM CARBONATE                                                                                      |                      |          |                                              | ID: 471-34-1           |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                              |                      |          | HAZARD SCREENING DATE: 2025-12-12 12:46:39   |                        |
| %: 39.0000 - 45.0000                                                                                   | GreenScreen: BM-3    | RC: None | NANO: No                                     | SUBSTANCE ROLE: Filler |
| HAZARD TYPE                                                                                            | LIST NAME AND SOURCE |          | WARNINGS                                     |                        |
| EYE                                                                                                    | GHS - New Zealand    |          | Eye irritation category 2                    |                        |
| ADDITIONAL LISTINGS                                                                                    | LIST NAME AND SOURCE |          | NOTIFICATION                                 |                        |
| None found                                                                                             |                      |          | No listings found on Additional Hazard Lists |                        |
| SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3 was provided by the HPD Builder Tool. |                      |          |                                              |                        |

|                                                           |                                              |                                                             |                                            |                                     |
|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------|--------------------------------------------|-------------------------------------|
| GLASS / MINERAL FIBER                                     |                                              |                                                             |                                            | ID: 65997-17-3                      |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                              |                                                             | HAZARD SCREENING DATE: 2025-12-12 12:46:40 |                                     |
| %: 31.0000 - 42.0000                                      | GreenScreen: LT-UNK                          | RC: None                                                    | NANO: No                                   | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                         | WARNINGS                                                    |                                            |                                     |
| None found                                                |                                              | No warnings found on HPD Priority Hazard Lists              |                                            |                                     |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                         | NOTIFICATION                                                |                                            |                                     |
| EXEMPT                                                    | European Union / European Commission (EU EC) | EU - REACH Exemptions                                       |                                            |                                     |
|                                                           |                                              | Exempted from REACH Annex V listing due to intrinsic safety |                                            |                                     |
| SUBSTANCE NOTES:                                          |                                              |                                                             |                                            |                                     |

|                                                                  |                            |                 |                                                   |                               |
|------------------------------------------------------------------|----------------------------|-----------------|---------------------------------------------------|-------------------------------|
| UNDISCLOSED                                                      |                            |                 |                                                   | ID: Undisclosed               |
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                 | HAZARD SCREENING DATE: <b>2025-12-12 12:46:40</b> |                               |
| %: <b>0.0000 - 14.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Binder</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE | WARNINGS                                       |
|---------------------|----------------------|------------------------------------------------|
| None found          |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found          |                      | No listings found on Additional Hazard Lists   |

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required.

UNDISCLOSED

ID: Undisclosed

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-12-12 12:46:42</b> |                 |                               |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|-------------------------------|
| %: <b>0.0000 - 12.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                          |                 |                               |
| None found                                                       |                            | No warnings found on HPD Priority Hazard Lists    |                 |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                               |
| None found                                                       |                            | No listings found on Additional Hazard Lists      |                 |                               |

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required.

POLYVINYL ALCOHOL

ID: 9002-89-5

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2025-12-12 12:46:41</b> |                 |                               |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|-------------------------------|
| %: <b>0.0000 - 12.0000</b>                                       | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                          |                 |                               |
| None found                                                       |                            | No warnings found on HPD Priority Hazard Lists    |                 |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                               |
| None found                                                       |                            | No listings found on Additional Hazard Lists      |                 |                               |

SUBSTANCE NOTES: Substance may not be used in all formulations; please contact the manufacturer if more information is required.

UNDISCLOSED

ID: Undisclosed

|                                                                  |                          |                                                   |                 |                               |
|------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-12-12 12:46:43</b> |                 |                               |
| %: <b>2.0000 - 4.0000</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>None</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Binder</b> |

| HAZARD TYPE                                                                                                                                                                                                                                                                        | LIST NAME AND SOURCE | WARNINGS                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|
| None found                                                                                                                                                                                                                                                                         |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found                                                                                                                                                                                                                                                                         |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. |                      |                                                |

UNDISCLOSED

ID: Undisclosed

|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                                                   |                                                                                                |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                                                                                                                                                                                                                                                   |                                                         | HAZARD SCREENING DATE: <b>2025-12-12 12:46:44</b> |                                                                                                |                               |
| %: <b>0.0000 - 0.5000</b>                                                                                                                                                                                                                                                                                                                                                                          | GreenScreen: <b>LT-P1</b>                               | RC: <b>None</b>                                   | NANO: <b>No</b>                                                                                | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                                                                                                                                                                                                                                                                                                                                                        | LIST NAME AND SOURCE                                    |                                                   | WARNINGS                                                                                       |                               |
| SKI                                                                                                                                                                                                                                                                                                                                                                                                | GHS - New Zealand                                       |                                                   | Skin sensitisation category 1                                                                  |                               |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                | LIST NAME AND SOURCE                                    |                                                   | NOTIFICATION                                                                                   |                               |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                                                    | Perkins+Will (P+W)                                      |                                                   | P&W - Precautionary List                                                                       |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                                                   | Precautionary list of substances recommended for avoidance                                     |                               |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                                                    | International Living Future Institute (ILFI)            |                                                   | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                                                   | Red List substances to avoid in Living Building Challenge V4.0 projects                        |                               |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                                                    | Cradle to Cradle Products Innovation Institute (C2CPII) |                                                   | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025             |                               |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                                                   | All Products                                                                                   |                               |
| SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required. |                                                         |                                                   |                                                                                                |                               |

UNDISCLOSED

ID: Undisclosed

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-12 12:46:40     |          |                        |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|------------------------|
| %: 0.0000 - 0.4000                                        | GreenScreen: LT-UNK  | RC: None                                       | NANO: No | SUBSTANCE ROLE: Binder |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |          |                        |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |          |                        |

| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                | LIST NAME AND SOURCE | NOTIFICATION                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------|
| None found                                                                                                                                                                                                                                                                                                                                                                                         |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required. |                      |                                              |

2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL

ID: 126-86-3

|                                                           |                      |                                                           |          |                            |
|-----------------------------------------------------------|----------------------|-----------------------------------------------------------|----------|----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-12 12:46:41                |          |                            |
| %: 0.0000 - 0.3000                                        | GreenScreen: LT-UNK  | RC: None                                                  | NANO: No | SUBSTANCE ROLE: Surfactant |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                                  |          |                            |
| EYE                                                       | GHS - New Zealand    | Eye irritation category 2                                 |          |                            |
| AQU                                                       | GHS - New Zealand    | Hazardous to the aquatic environment - chronic category 3 |          |                            |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                              |          |                            |
| None found                                                |                      | No listings found on Additional Hazard Lists              |          |                            |

SUBSTANCE NOTES: Substance may not be used in all formulations; please contact the manufacturer if more information is required.

PAINT/PRIMER

%: 1.6000 - 1.7000

|                            |                                                    |                                              |
|----------------------------|----------------------------------------------------|----------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Geologically Derived Material |
|----------------------------|----------------------------------------------------|----------------------------------------------|

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosures and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Percent by weight of material and substances reported as ranges to account for differences between products used, and due to the disclosure preference of suppliers.

LIMESTONE

ID: 1317-65-3

|                                                           |                      |                                                |          |                        |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-12 12:46:42     |          |                        |
| %: 60.0000 - 70.0000                                      | GreenScreen: BM-3dg  | RC: None                                       | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |          |                        |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |          |                        |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                   |          |                        |
| None found                                                |                      | No listings found on Additional Hazard Lists   |          |                        |

UNDISCLOSED

ID: **Undisclosed**

|                                                                  |                            |                                                |                                                   |                               |
|------------------------------------------------------------------|----------------------------|------------------------------------------------|---------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                | HAZARD SCREENING DATE: <b>2025-12-12 12:46:43</b> |                               |
| %: <b>15.0000 - 20.0000</b>                                      | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                       |                                                   |                               |
| None found                                                       |                            | No warnings found on HPD Priority Hazard Lists |                                                   |                               |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                   |                                                   |                               |
| None found                                                       |                            | No listings found on Additional Hazard Lists   |                                                   |                               |

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

TITANIUM DIOXIDE

ID: **13463-67-7**

|                                                                  |                                           |                                                                                                                                                             |                                                   |                                |
|------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                             | HAZARD SCREENING DATE: <b>2025-12-12 12:46:45</b> |                                |
| %: <b>3.0000 - 10.0000</b>                                       | GreenScreen: <b>BM-1</b>                  | RC: <b>None</b>                                                                                                                                             | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Pigment</b> |
| 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                                                              | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**                                                                            |                                                   |                                |
| CAN                                                              | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**                                                      |                                                   |                                |
| END                                                              | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor**                                                                                                                             |                                                   |                                |
| CAN                                                              | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**                                                                          |                                                   |                                |
| CAN                                                              | IARC                                      | Group 2b - Possibly carcinogenic to humans**                                                                                                                |                                                   |                                |
| CAN                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**                                                                                         |                                                   |                                |
| CAN                                                              | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**                                                                                         |                                                   |                                |
| MAM                                                              | 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                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| POSITIVE LIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US Environmental Protection Agency (US EPA)             | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         | Colorants - Green Circle (Verified Low Concern)                                                                                |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products |
| SUBSTANCE NOTES: **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. |                                                         |                                                                                                                                |

UNDISCLOSED

ID: Undisclosed

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      | HAZARD SCREENING DATE: 2025-12-12 12:46:42     |          |                        |
|-----------------------------------------------------------|----------------------|------------------------------------------------|----------|------------------------|
| %: 0.0000 - 5.0000                                        | GreenScreen: LT-UNK  | RC: None                                       | NANO: No | SUBSTANCE ROLE: Binder |
| HAZARD TYPE                                               | LIST NAME AND SOURCE | WARNINGS                                       |          |                        |
| None found                                                |                      | No warnings found on HPD Priority Hazard Lists |          |                        |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE | NOTIFICATION                                   |          |                        |
| None found                                                |                      | No listings found on Additional Hazard Lists   |          |                        |

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required.

ZINC OXIDE

ID: 1314-13-2

|                                                           |                   |                                            |               |                         |
|-----------------------------------------------------------|-------------------|--------------------------------------------|---------------|-------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2025-12-12 12:46:43 |               |                         |
| %: 0.0000 - 3.0000                                        | GreenScreen: BM-1 | RC: None                                   | NANO: Unknown | SUBSTANCE ROLE: Coating |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                  |
|-------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                             |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| MAM         | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]          |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                   |
| AQU         | GHS - Japan                                 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |
| AQU         | GHS - Japan                                 | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - Australia                             | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                 |
| REP         | GHS - Japan                                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                           |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                      |
|---------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Substance may not be used in all formulations; please contact the manufacturer if more information is required.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-12-12 12:46:44

%: 0.0000 - 2.0000

GreenScreen: BM-3dg

RC: None

NANO: No

SUBSTANCE ROLE: Coating

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                       |
|-------------|----------------------|------------------------------------------------|
| None found  |                      | No warnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LIST NAME AND SOURCE | NOTIFICATION                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------|
| None found                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-3dg was provided by the HPD Builder Tool. Supplier has shared substance identity under the terms of a non-disclosure agreement with third-party preparer; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance may not be used in all formulations; please contact the manufacturer if more information is required. |                      |                                              |

TALC

ID: 14807-96-6

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2025-12-12 12:46:45</b>                                                                                                         |                 |                                |
|------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|
| ?: <b>0.0000 - 1.5000</b>                                        | GreenScreen: <b>BM-1</b> | RC: <b>None</b>                                                                                                                                           | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Coating</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     | WARNINGS                                                                                                                                                  |                 |                                |
| CAN                                                              | MAK                      | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |                 |                                |
| CAN                                                              | CA EPA - Prop 65         | Carcinogen - specific to chemical form or exposure route                                                                                                  |                 |                                |
| CAN                                                              | IARC                     | Group 2a - Agent is probably Carcinogenic to humans                                                                                                       |                 |                                |
| MAM                                                              | GHS - Japan              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                 |                                |
| MAM                                                              | GHS - Japan              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                 |                                |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE     | NOTIFICATION                                                                                                                                              |                 |                                |
| None found                                                       |                          | No listings found on Additional Hazard Lists                                                                                                              |                 |                                |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Substance may not be used in all formulations; please contact the manufacturer if more information is required.

## Section 3: 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UL/GreenGuard Gold Certified        |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|
| <b>COMPLIANCE TYPE:</b> Third Party<br><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> UL Environment<br><b>COMPLIANCE DETAILS:</b><br><b>COMPLIANCE SCOPE:</b><br><b>APPLICABLE FACILITIES:</b> Medicine Lodge, KS; Savannah, GA<br><b>COMPLIANCE URL:</b> <a href="https://tinyurl.com/2s3nb9ux">https://tinyurl.com/2s3nb9ux</a><br><b>COMPLIANCE NOTES:</b> Certification Number: 232131-420. UL 2818 - 2022 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. | <b>ISSUE DATE:</b> 2021-05-27       | <b>EXPIRY DATE:</b> 2026-09-30 |
| EVALUATION REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ICC-ES Evaluation Report (ESR-3234) |                                |
| <b>COMPLIANCE TYPE:</b> Third Party<br><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> ICC Evaluation Service<br><b>COMPLIANCE DETAILS:</b><br><b>COMPLIANCE SCOPE:</b><br><b>APPLICABLE FACILITIES:</b> Medicine Lodge, KS; Savannah, GA<br><b>COMPLIANCE URL:</b> <a href="https://tinyurl.com/42nr2nff">https://tinyurl.com/42nr2nff</a><br><b>COMPLIANCE NOTES:</b> ESR-3234. EVALUATION SCOPE: Compliance with the following codes: 2024, 2021, and 2018 International Building Code® (IBC); 2024, 2021, and 2018 International Residential Code® (IRC). Properties evaluated: Physical properties; Fire resistance; Surface burning characteristics                                                                                                                                                                     | <b>ISSUE DATE:</b> 2025-08-01       | <b>EXPIRY DATE:</b> 2026-08-01 |

## 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.

|                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ALKALI-RESISTANT FIBERGLASS MESH TAPE</b><br><b>MANUFACTURER (OR GENERIC):</b> Generic                                                                                                                                                                            |
| HPD URL: No HPD Available<br><b>ACCESSORY TYPE:</b> Installation Accessory<br><b>CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:</b> Used to treat joints during installation as a substrate for tile, as referenced in ICC Evaluation Report (ESR 3234). |
| <b>MORTAR OR ADHESIVE</b><br><b>MANUFACTURER (OR GENERIC):</b> Generic                                                                                                                                                                                               |

HPD URL: No HPD available  
ACCESSORY TYPE: Installation Accessory  
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used to treat joints during installation as a substrate for tile, as referenced in ICC Evaluation Report (ESR 3234).

**FASTENERS**

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available  
ACCESSORY TYPE: Installation Accessory  
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: As referenced in ICC Evaluation Report (ESR 3234).

**PAPER JOINT TAPE**

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available  
ACCESSORY TYPE: Installation Accessory  
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: For dry, non-tile application: Outside the wet areas of showers and baths, tape joints with gypsum board tape and embed with setting tape joint compound. Skim the entire surface with a joint compound to create a smooth surface for finishing. Use setting compound or all-purpose ready mix joint compound for skim coat.

**SETTING TYPE JOINT COMPOUND**

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available  
ACCESSORY TYPE: Installation Accessory  
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: For dry, non-tile application: Outside the wet areas of showers and baths, tape joints with gypsum board tape and embed with setting tape joint compound. Skim the entire surface with a joint compound to create a smooth surface for finishing. Use setting compound or all-purpose ready mix joint compound for skim coat.

**READY MIX JOINT COMPOUND**

MANUFACTURER (OR GENERIC): **Generic**

HPD URL: No HPD available  
ACCESSORY TYPE: Installation Accessory  
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: For dry, non-tile application: Outside the wet areas of showers and baths, tape joints with gypsum board tape and embed with setting tape joint compound. Skim the entire surface with a joint compound to create a smooth surface for finishing. Use setting compound or all-purpose ready mix joint compound, such as ProForm® Ready Mix Joint Compound, for skim coat.

 **Section 5: General Notes**

Residuals and Impurities have been considered as stated in the Material Notes for each disclosed material.

## MANUFACTURER INFORMATION

MANUFACTURER: **Gold Bond Building Products, LLC provided by National Gypsum Company**  
ADDRESS: **2001 Rexford Road**  
**Charlotte, NC 28211**  
COUNTRY: **USA**

WEBSITE: **<https://www.goldbondbuilding.com>**  
CONTACT NAME: **Amy Hockett**  
TITLE: **Manager - Architectural Services & Sustainability**  
PHONE: **704-365-7931**  
EMAIL: **AmyH@NationalGypsum.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

**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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://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 HPD and for compliance with the HPD standard noted.*