

HPD UNIQUE IDENTIFIER: 31279

CLASSIFICATION: 09 20 00 Plaster and Gypsum Board

PRODUCT DESCRIPTION: Ultima Light Dustbuster Compound is the best option for a high dust reduction, smooth and manageable application. It is extremely easy to sand due to its properties of low-density ready mix. This is a totally different product since it is 20% lighter than traditional compounds. It offers higher coverage and efficiently reduces shrinkage and cracks. Features an excellent adhesion to the substrate and its new green formula has a VOC content lower than 1 g/l. Joint compound, as defined by ASTM C474 and C475, is used along with joint tape to join sheets of drywall by creating a seamless finish. Joint compound is comprised of a blend of minerals. A ready-mixed compound is a pre-made form of joint compound that may be used for immediate application without any additional preparation. This HPD covers the Ready-mixed joint compound line from Panel Rey S.A. These products are manufactured in the Panel Rey facilities located in Mexicali, Mexico; Monterrey, Mexico; and Mexico City, Mexico

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold Level</p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities Evaluation</p> <p>Completed in 11 of 11 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>For all contents above the threshold, the manufacturer has:</i></p> <p>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p>Screened <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p>Identified <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p>
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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

CALCIUM CARBONATE [CALCIUM CARBONATE BM-3dg CARBONIC ACID, MAGNESIUM SALT (1:1) BM-3dg AMORPHOUS SILICA BM-1]
 CAN | MAM] CALCIUM SULFATE [CALCIUM SULFATE (DIHYDRATE) LT-UNK] WATER [WATER BM-4] UNDISCLOSED [UNDISCLOSED LT-P1 | END | SKI | MUL | AQU | EYE | MAM] PERLITE [PERLITE ORE NoGS] ATTAPULGITE [Palygorskite fibers (> 5mm in length) LT-1] CAN | MAM | EYE] UNDISCLOSED [UNDISCLOSED LT-UNK] CAN UNDISCLOSED LT-1 | CAN | MAM UNDISCLOSED LT-UNK | MAM] MICA [MICA-GROUP MINERALS LT-UNK] MAM TITANIUM LT-UNK] PHY SODIUM FLUORIDE (NA(HF2)) LT-P1 | SKI | MAM LITHIUM SALT LT-1] CAN | PBT | END | DEV | REP | MUL | MAM | AQU IRON LT-P1 | END] UNDISCLOSED [UNDISCLOSED BM-4 UNDISCLOSED LT-UNK] UNDISCLOSED LT-UNK] UNDISCLOSED [UNDISCLOSED LT-UNK] UNDISCLOSED [UNDISCLOSED LT-UNK]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1, BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight. This includes optional ingredients and all have been screened for impurities and residuals. This HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting. This HPD covers all manufacturing facilities for Panel Rey S. A. Residuals and impurities were screened using the toxnet database at: <https://toxnet.nlm.nih.gov/>. Residuals and impurities are screened using a general database that relies on peer-reviewed journal articles and studies to determine the typical residuals and impurities for a substance or material. This actual raw material from the specific Panel Rey supplier has not been individually tested therefore the exact material composition is unknown. This means that the residual or impurity may or may not be in the final product based on its questionable presence in the raw material.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.00 Regulatory (g/l): 30
 Does the product contain exempt VOCs: No
 Are colorants available that do not increase the VOC content of the base paint when tinted: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Greengard Gold
 VOC content: VOC Content
 Multi-attribute: Environmental Product Declaration (EPD)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2023-02-03

PUBLISHED DATE: 2023-02-03

EXPIRY DATE: 2026-02-03

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

CALCIUM CARBONATE %: 50.0000 - 70.0000

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

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-03 10:45:39

%: 100.0000 - 100.0000 GreenScreen: BM-3dg RC: UNK 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

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

CARBONIC ACID, MAGNESIUM SALT (1:1)

ID: 546-93-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-03 10:45:40

%: Impurity/Residual GreenScreen: BM-3dg RC: UNK NANO: No SUBSTANCE ROLE: Impurity/Residual

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: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:40**

%: **Impurity/Residual** GreenScreen: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
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]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals Antimicrobials

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

CALCIUM SULFATE

%: **55.0000 - 70.0000**

PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **No** MATERIAL TYPE: **Geologically Derived Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

CALCIUM SULFATE (DIHYDRATE)

ID: 10101-41-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:41**%: **100.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **UNK** 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

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

WATER%: **25.0000 - 40.0000**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: **Other: Water**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:41**%: **25.0000 - 40.0000** GreenScreen: **BM-4** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Diluent**

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:

UNDISCLOSED%: **0.0500 - 10.0000**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes** MATERIAL TYPE: **Other Biological Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:42**

#: **100.0000 - 100.0000** GreenScreen: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - 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]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
SKI	GHS - New Zealand	Skin irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
SKI	GHS - Korea	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]

MAM	GHS - New Zealand	Acute oral toxicity category 3
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
AQU	GHS - Australia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	GHS - Japan	H330 - Fatal if inhaled [Acute toxicity (inhalation: dust, mist) - Category 2]
EYE	GHS - Korea	H318 - Causes serious eye damage [Serious eye damage/irritation - Category 1]
MAM	GHS - Korea	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Australia	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions

SUBSTANCE NOTES: Biocide used in joint compounds for preventing fungi to grow.

PERLITE

#: 0.1000 - 10.0000

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material
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RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:43**

%: **100.0000 - 100.0000** GreenScreen: **LT-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	GHS - New Zealand	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]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Viscosity modifier used in wet products.

UNDISCLOSED

%: **0.0000 - 5.0000**

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

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:44**

%: **0.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Viscosity modifier similar to clay.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:42**

%: Impurity/Residual	GreenScreen: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity/Residual
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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)		
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man		
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources		
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]		
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]		
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]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:45**

%: Impurity/Residual	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Impurity/Residual
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

MICA %: 0.1000 - 5.0000

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

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

MICA-GROUP MINERALS

ID: 12001-26-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-03 10:45:43

%: 100.0000 - 100.0000 GreenScreen: LT-UNK RC: UNK NANO: No SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
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
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Used as crack preventive agent.

TITANIUM

ID: 7440-32-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-03 10:45:45

%: Impurity/Residual GreenScreen: LT-UNK RC: UNK NANO: No SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable solids - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

SODIUM FLUORIDE (NA(HF2))

ID: 1333-83-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:46**

%: **Impurity/Residual** GreenScreen: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - 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 - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

LITHIUM SALT

ID: 29457-72-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:46**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
END	ChemSec - SIN List	Endocrine Disruption
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
CAN	CA EPA - Prop 65	Carcinogen
PBT	WA DoE - PBT	PBT
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
PBT	UNEP Stockholm Conv - Persistent Organic Pollutants	Priority POP
DEV	GHS - Australia	H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
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]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H360D - May damage the unborn child [Reproductive toxicity - Category 1A or 1B]
DEV	GHS - Australia	H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
AQU	GHS - Australia	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

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	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals PFAS
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Textile Materials
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2022 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

IRON

ID: 7439-89-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:44**

%: **Impurity/Residual** GreenScreen: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

UNDISCLOSED

#: 0.1000 - 3.5000

PRODUCT THRESHOLD: 100
ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED:
Yes

MATERIAL TYPE: Other Biological
Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:45**

%: **30.0000 - 60.0000** GreenScreen: **BM-4** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Dispersant**

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: Hydrocarbon waxes in formula for joint compound.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:46**

%: **15.0000 - 40.0000** GreenScreen: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Dedusting**

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: Dedusting material for joint compound.

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:47**

%: **1.0000 - 5.0000** GreenScreen: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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: Viscosity modifier for joint compound.

UNDISCLOSED

%: **0.0500 - 1.5000**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:47**

%: **100.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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: Viscosity modifier for joint compound.

UNDISCLOSED

%: **0.0000 - 0.1500**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

OTHER MATERIAL NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2023-02-03 10:45:46**

%: **0.0000 - 100.0000** GreenScreen: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Pigment**

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: Pigment substance for joint compound.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Greengard Gold	
CERTIFYING PARTY: UL	ISSUE DATE: 2014-11-25	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: Mexico City, Mexicali, and Monterrey	EXPIRY DATE:	
CERTIFICATE URL: http://www.panelrey.com		
CERTIFICATION AND COMPLIANCE NOTES: Certificate #: 58576-420		
VOC CONTENT	VOC Content	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2019-06-27	CERTIFIER OR LAB: Panel Rey, S.A.
APPLICABLE FACILITIES: All Panel Rey Facilities	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: This material contains 0 g/L of VOCs by content.		
MULTI-ATTRIBUTE	Environmental Product Declaration (EPD)	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2016-11-08	CERTIFIER OR LAB: Thomas Gloria, Industrial Ecology
APPLICABLE FACILITIES: All Panel Rey Facilities	EXPIRY DATE: 2022-11-08	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: This is a sector EPD for Drywall Finishing Joint Compound. It was performed on behalf of the Drywall finishing council and Panel Rey S.A. is a participating member. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, , indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as "100 m2 of covered substrate considering an installation scenario as defined by a GA-214 Level 4 finish with the quantity adjusted for the measured shrinkage (testing per ASTM C474) for a service life of 75 years."		

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.

FIRE REY GYPSUM PANELS 1/2", 5/8", TYPE C 1/2", 5/8"
MANUFACTURER (OR GENERIC): Panel Rey
HPD URL: https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_637_Panel_Rey_Fire_Rey_Type_C_1_2_5_8_.pdf
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ultima Light Dustbuster is compatible with all paper-faced gypsum panels.
REGULAR REY GYPSUM PANELS 1/2", 3/8", 5/8"
MANUFACTURER (OR GENERIC): Panel Rey
HPD URL: https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_637_Panel_Rey_Regular_Rey_3_8_5_8_.pdf
ACCESSORY TYPE: Installation Accessory
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ultima Light Dustbuster is compatible with all paper-faced gypsum panels.
LIGHT REY 1/2"
MANUFACTURER (OR GENERIC): Panel Rey

HPD URL: https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_637_Panel_Rey_Light_Rey_1_2_.pdf

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ultima Light Dustbuster is compatible with all paper-faced gypsum panels.

GUARD REY GYPSUM PANEL 1/2", TYPE X 5/8"

MANUFACTURER (OR GENERIC): **Panel Rey**

HPD URL: https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_637_Panel_Rey_Guard_Rey_1_2_.pdf

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Ultima Light Dustbuster is compatible with all paper-faced gypsum panels.

PANEL REY PAINT

MANUFACTURER (OR GENERIC): **Panel Rey**

HPD URL: No HPD Available

ACCESSORY TYPE: Colorant System

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Apply paint as a film former and as a finishing product.

Section 5: General Notes

This HPD contains perlite with no GS screening because it is a geological material. Residuals and Impurities screened using the toxnet database. All residuals are reported based on a general database of peer-reviewed journal articles and scientific studies. The actual raw material was not tested therefore the residuals and impurities may or may not be present in the final product. HPDC requires that residuals and impurities are reported when above 2% in content. Since the general database does not always have an exact amount present in the substance, all residuals and impurities are noted when they are listed by their exact chemical name in the database. If general categories are noted then those listings appear in the notes section. Also, any percentages as given will be recorded as such. None noted in this substance.

MANUFACTURER INFORMATION

MANUFACTURER: Panel Rey S.A.
ADDRESS: Serafin Peña 938 Sur
 Nuevo Leon Monterrey 64000, Mexico
WEBSITE: www.panelrey.com

CONTACT NAME: Karla Daniela Macias Lujan
TITLE: Product Technology Specialist
PHONE: (81) 8305 3800
EMAIL: kmacias@gpromax.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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, and Best Practices for Hazard Screening on the HPDC website (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.