

HPD UNIQUE IDENTIFIER: (available when published)

CLASSIFICATION: 08 11 00 Metal Doors and Frames

PRODUCT DESCRIPTION: This HPD covers steel doors with temperature rise core manufactured by Métalec. Temperature Rise steel doors are made of 18 gauge steel. Product dimensions are 36" x 84" x 1 3/4". Métalec steel doors are compliant to ASTM A 653/A 653M, NAAMM, HMMA, CSDMA, CAN/ULC - S104 - M80, UBC 7-2(1994), UL 10(b), NFPA 252, NFPA 80, ASTM E 152.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and screening options. Includes radio buttons for 'Nested Materials Method', 'Basic Method', 'Material', 'Product', '100 ppm', '1,000 ppm', 'Per GHS SDS', 'Other', 'Yes', 'No', etc.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE GALVANNEALED STEEL (DOOR SKIN) [IRON (IRON) LT-P1 | END CHROMIUM (CHROMIUM) LT-P1 | END | SKI | RES NICKEL (NICKEL) LT-1 | CAN | RES | MUL | SKI | MAM MANGANESE (MANGANESE) LT-P1 | END | MUL | REP ZINC (ZINC) LT-P1 | END | MUL | AQU | PHY] FIRE-RATED CORE [UNDISCLOSED BM-3dg UNDISCLOSED BM-4 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK] GALVANNEALED STEEL (REINFORCEMENTS) [IRON (IRON) LT-P1 | END NICKEL (NICKEL) LT-1 | CAN | RES | MUL | SKI | MAM CHROMIUM (CHROMIUM) LT-P1 | END | SKI | RES MANGANESE (MANGANESE) LT-P1 | END | MUL | REP ZINC (ZINC) LT-P1 | END | MUL | AQU | PHY] ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK | MUL | RES | CAN | SKI | EYE] PAINT [TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END BUTOXYPROPANOL (BUTOXYPROPANOL) LT-UNK | SKI | EYE]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special Conditions materials are present in the product: metal alloy material, reaction products and polymeric materials. Guidelines for reporting Metals (SCMetalAlloy/2020-08-06) were followed even though they are not yet in effect. The full metal alloy composition were reported. Other Special Conditions materials are still under development by HPDC and the manufacturer will update the HPD accordingly once these guidelines get published. One or more substances are not disclosed by name or identifier as they are proprietary.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Not tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
No

PREPARER: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-09-21

PUBLISHED DATE: 2021-09-21

EXPIRY DATE: 2024-09-21

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

GALVANNEALED STEEL (DOOR SKIN)

%: 63.7800

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: According to the manufacturer, Lead and Cadmium are present in trace amount, generally inferior to 1 ppm in steel products. These impurities are coming from the sourced iron ore. Passivation surface treatment with a chromic acid solution leaves a total chromium residual of 11 to 27 mg/m² per side.

OTHER MATERIAL NOTES: 18 Ga galvanized carbon steel sheets with a passivation surface treatment.

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-21 13:37:33

%: 88.3000 - 100.0000

GS: LT-P1

RC: Both

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Iron is the main element for carbon steel. It is also present in the Galvanneal coating at 11% or between 0.14 to 1.2 wt.% in the final galvanized sheet. Steel may contain 22% pre consumer recycled content and 34% post consumer recycled content. Percent weight interval is used to cover product variability.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-21 13:37:40

%: 0.0000 - 0.6500

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKI

MAK

Sensitizing Substance Sh - Danger of skin sensitization

RES

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Chromium is an alloying element in carbon steel as well as a residual coming from the passivation surface treatment of galvanized steel sheets. See all material notes for further details. Percent weight interval is used to cover product variability.

NICKEL (NICKEL)

ID: 7440-02-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-09-21 13:37:41

%: 0.0000 - 0.2500

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|---|
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CAN | IARC | Group 1 - Agent is Carcinogenic to humans |
| CAN | CA EPA - Prop 65 | Carcinogen |
| CAN | US NIH - Report on Carcinogens | Known to be a human Carcinogen |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| CAN | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
| RES | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| MAM | EU - GHS (H-Statements) | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability.

MANGANESE (MANGANESE)

ID: 7439-96-5

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|---|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability.

ZINC (ZINC)

ID: 7440-66-6

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:42**
 %: **0.0000 - 8.8000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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) | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| AQU | EU - GHS (H-Statements) | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| PHY | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| PHY | EU - GHS (H-Statements) | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |

SUBSTANCE NOTES: Galvanneal is composed of 88% zinc and 11% iron according to the manufacturer. Percent weight interval is used to cover product variability.

FIRE-RATED CORE

%: 34.7500

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Other: Inorganic based composite

RESIDUALS AND IMPURITIES NOTES: No residuals and impurities according to the manufacturer.

OTHER MATERIAL NOTES: Temperature rise core.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:35**

#: **70.0000 - 90.0000** GS: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:36**

#: **5.0000 - 20.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:36**

#: **5.0000 - 10.0000** GS: **LT-UNK** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Filler**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:38**

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Abrasion resistance**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

GALVANNEALED STEEL (REINFORCEMENTS)

#: **1.1300**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: According to the manufacturer, Lead and Cadmium are present in trace amount, generally inferior to 1 ppm in steel products. These impurities are coming from the sourced iron ore. The surface is passivated (dry). Surface treatment is less than 0.5% of the part weight; hence below the declaration threshold.

OTHER MATERIAL NOTES: Lock and hinges reinforcement are made of galvanized steel.

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:34**

#: **87.8000 - 100.0000** GS: **LT-P1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: See Other Material Notes. Steel may contain 14-22% pre consumer recycled content and 19-34% post consumer recycled content. Percent weight interval is used to cover product variability.

NICKEL (NICKEL)

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:38**

#: **0.0000 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|---|
| CAN | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CAN | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CAN | IARC | Group 1 - Agent is Carcinogenic to humans |
| CAN | CA EPA - Prop 65 | Carcinogen |
| CAN | US NIH - Report on Carcinogens | Known to be a human Carcinogen |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| CAN | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
| RES | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| MAM | EU - GHS (H-Statements) | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:39**

#: 0.0000 - 0.6000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|---|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability.

MANGANESE (MANGANESE)

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:39**

#: 0.0000 - 2.1000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|---|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability.

ZINC (ZINC)

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:40**

#: 0.0000 - 8.8000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Galvanizing

| HAZARD TYPE | AGENCY AND LIST TITLES | 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) | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1] |
| AQU | EU - GHS (H-Statements) | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |
| PHY | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1] |
| PHY | EU - GHS (H-Statements) | H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1] |

SUBSTANCE NOTES: See Other Material Notes. According to the manufacturer, zinc coating weight can be up to 10w% of total steel weight. Since we do not have specific data, we are using the full range of 0% to 10%. Percent weight interval is used to cover product variability.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No data was given by the manufacturer since the manufacturer does not test its products for residuals or impurities.

OTHER MATERIAL NOTES: The amount of adhesive varies among the rated insulated steel door. Names and CAS numbers of substances were not disclosed and ranges given to protect proprietary information.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:34**%: **70.0000 - 90.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Monomer**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:35**%: **10.0000 - 30.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Monomer**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------------------|---|
| MUL | US EPA - PPT Chemical Action Plans | EPA Chemical of Concern - Action Plan published |
| RES | AOEC - Asthmagens | Asthmagen (G) - generally accepted |
| CAN | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| RES | MAK | Sensitizing Substance Sah - Danger of airway & skin sensitization |
| RES | US EPA - PPT Chemical Action Plans | Inhalation sensitizer causing asthma and lung damage |
| SKI | EU - GHS (H-Statements) | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| CAN | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |
| RES | EU - GHS (H-Statements) | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Percent weight interval is used to cover product variability and keep exact material composition confidential.

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities not identified by manufacturer.

OTHER MATERIAL NOTES: Water-based acrylic paint for metal products. Only ingredients presented in the SDS are disclosed in the HPD given that the amount of paint is below the disclosure threshold (1,000 ppm).

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:37**

%: **1.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 | EU - GHS (H-Statements) | H351 - Suspected of causing cancer [Carcinogenicity - Category 2] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability and keep exact material composition confidential.

BUTOXYPROPANOL (BUTOXYPROPANOL)

ID: 5131-66-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-21 13:37:37**

%: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|-------------------------|--|
| SKI | EU - GHS (H-Statements) | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| EYE | EU - GHS (H-Statements) | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: Percent weight interval is used to cover product variability and keep exact material composition confidential.

Section 3: Certifications and Compliance

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

| VOC EMISSIONS | CDPH Standard Method V1.2 (Section 01350/CHPS) - Not tested | | |
|-------------------------------------|---|--------------|-----------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2021-09- | EXPIRY DATE: | CERTIFIER OR LAB: n/a |
| APPLICABLE FACILITIES: Quebec City | 21 | | |
| CERTIFICATE URL: | | | |
| CERTIFICATION AND COMPLIANCE NOTES: | | | |

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

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MANUFACTURER INFORMATION

MANUFACTURER: MÉTALEC
ADDRESS: 2150, rue Léon-Hamel
 Quebec City Quebec G1N 4L2, Canada
WEBSITE: www.metalec.com

CONTACT NAME: Claude Harton
TITLE: General Manager
PHONE: 1-877-683-2431
EMAIL: charton@metalec.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-1 List Translator 1 (Likely Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | NoGS No GreenScreen. |
| 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) | |

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.