

HPD UNIQUE IDENTIFIER: 234282260480

CLASSIFICATION: 08 11 00 Metal Doors and Frames

PRODUCT DESCRIPTION: Steel Door Frame, based on a single three-sided unit.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

| Inventory Reporting Format                                                                                        | Threshold Level                                                                                                                                                                    | Residuals/Impurities Evaluation                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><input checked="" type="radio"/> Nested Materials Method</div> <div><input type="radio"/> Basic Method</div> | <div><input type="radio"/> 100 ppm</div> <div><input checked="" type="radio"/> 1,000 ppm</div> <div><input type="radio"/> Per GHS SDS</div> <div><input type="radio"/> Other</div> | <div>Completed in 2 of 2 Materials</div> <div>Explanation(s) provided for Residuals/Impurities?</div> <div><input checked="" type="radio"/> Yes <input type="radio"/> No</div> | <div>For all contents above the threshold, the manufacturer has:</div> <div>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</div> <div>Provided weight and role.</div> <div>Screened <input checked="" type="radio"/> Yes <input type="radio"/> No</div> <div>Provided screening results using HPDC-approved methods.</div> <div>Identified <input checked="" type="radio"/> Yes <input type="radio"/> No</div> <div>Provided name and CAS RN or other identifier.</div> |
| Threshold Disclosed Per                                                                                           |                                                                                                                                                                                    |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <div><input checked="" type="radio"/> Material</div> <div><input type="radio"/> Product</div>                     |                                                                                                                                                                                    |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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

STEEL [ IRON LT-P1 ] END MANGANESE LT-P1 ] END | MUL | REP | MAM | AQU CHROMIUM LT-P1 ] END | SKI | MAM | REP | RES SILICON LT-UNK COPPER LT-P1 ] MUL | AQU | MAM NICKEL LT-1 ] CAN | MUL | RES | MAM | SKI | AQU ALUMINUM LT-P1 ] END | MAM | PHY BORON LT-UNK ] MAM CARBON LT-UNK NITROGEN NoGS PHOSPHORUS BM-2 ] MAM | PHY | EYE | AQU | SKI PHOSPHORUS BM-2 ] MAM | PHY | EYE | AQU | SKI SELENIUM LT-P1 ] CAN | PBT | MUL | MAM | AQU NIOBIUM LT-UNK SULFUR DIOXIDE LT-1 ] END | DEV | MAM | SKI | EYE | AQU | REP TIN LT-P1 ] MAM | EYE | AQU TITANIUM LT-UNK ] PHY TUNGSTEN METAL LT-UNK ] MAM VANADIUM LT-1 ] CAN | MUL | GEN MOLYBDENUM LT-UNK ] MAM | SKI | REP MAGNESIUM LT-UNK ] PHY | MAM | SKI | EYE CALCIUM OXIDE BM-2 ] SKI | MAM | EYE ANTIMONY LT-1 ] CAN | AQU | EYE | REP | SKI ] PRIME PAINT (FRAME) [ WATER BM-4 FERRIC OXIDE BM-1 ] CAN | MAM QUARTZ BM-1 ] CAN | MAM | GEN 1-PROPOXY-2-PROPANOL LT-UNK ] EYE | SKI ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) BM-2 ] END | SKI | EYE | MAM | REP TRIZINC BIS(ORTHOPHOSPHATE) LT-P1 ] MUL | AQU | MAM | REP ]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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) - Classroom & Office scenario

LCA: Environmental Product Declaration (EPD) by SCS

LCA: Environmental Product Declaration (EPD) by SCS

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-07-09

PUBLISHED DATE: 2025-07-09

EXPIRY DATE: 2028-07-09

*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](http://www.hpd-collaborative.org/hpd-2-3-standard)

## STEEL

**%: 91.0000**

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were collected for all raw materials included in this product. All chemicals that fall above the stated threshold are included in this section.

OTHER MATERIAL NOTES: This material is used for all framing structure and reinforcements.

## IRON

ID: 7439-89-6

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2025-07-09 10:56:27

**%: 42.5800 - 99.9800**

GreenScreen: **LT-P1**RC: **Both**

NANO: No

SUBSTANCE ROLE: Alloy element

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: This substance is used as part of the steel alloy mixture.

## MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2025-07-09 10:56:28

**%: 0.0000 - 16.0000**

GreenScreen: **LT-P1**

RC: UNK

NANO: **No**

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                   | WARNINGS                                                                                                                                                  |
|-----------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                         | TEDX - Potential Endocrine Disruptors                  | Potential Endocrine Disruptor                                                                                                                             |
| MUL                                                                         | German FEA - Substances Hazardous to Waters            | Class 3 - Severe Hazard to Waters                                                                                                                         |
| REP                                                                         | GHS - Japan                                            | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 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]                   |
| AQU                                                                         | GHS - New Zealand                                      | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| 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]                                      |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials    |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                                  |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products                                         |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                        |                                                                                                                                                           |

CHROMIUM

ID: 7440-47-3

|                                                                  |                           |                |                                                   |                                      |
|------------------------------------------------------------------|---------------------------|----------------|---------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:28</b> |                                      |
| %: <b>0.0100 - 12.5000</b>                                       | GreenScreen: <b>LT-P1</b> | RC: <b>UNK</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |

| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                               |
|-----------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                         | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                          |
| SKI                                                                         | MAK                                                      | Sensitizing Substance Sh - Danger of skin sensitization                                                                                                |
| MAM                                                                         | GHS - Japan                                              | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                |
| REP                                                                         | GHS - New Zealand                                        | Reproductive toxicity category 2                                                                                                                       |
| RES                                                                         | GHS - Japan                                              | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]                             |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                           |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products                |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) | 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 (C2CP II) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products                         |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                          |                                                                                                                                                        |

SILICON

ID: 7440-21-3

|                                                           |                      |                                                |                                            |                               |
|-----------------------------------------------------------|----------------------|------------------------------------------------|--------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2025-07-09 10:56:29 |                               |
| %: 0.0000 - 5.0000                                        | GreenScreen: LT-UNK  | RC: UNK                                        | NANO: No                                   | SUBSTANCE ROLE: Alloy element |
| 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: This substance is used as part of the steel alloy mixture.

COPPER

ID: 7440-50-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-07-09 10:56:29

|                     |                                                         |                                                                                                                      |          |                               |
|---------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| %: 0.0000 - 3.5000  | GreenScreen: LT-P1                                      | RC: Both                                                                                                             | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                             |          |                               |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 3 - Severe Hazard to Waters                                                                                    |          |                               |
| 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] |          |                               |
| MAM                 | GHS - Japan                                             | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]              |          |                               |
| 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                                                                                                         |          |                               |
| 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 Precautionary List                                                                                |          |                               |
|                     |                                                         | Antimicrobials                                                                                                       |          |                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                        |          |                               |
|                     |                                                         | Biological and Environmentally Released Materials                                                                    |          |                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                        |          |                               |
|                     |                                                         | Children's Products                                                                                                  |          |                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                   |          |                               |
|                     |                                                         | 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                                   |          |                               |
|                     |                                                         | Cosmetics and Personal Care Products                                                                                 |          |                               |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

NICKEL

ID: 7440-02-0

%: **0.0100 - 3.0000**

GreenScreen: **LT-1**

RC: **Both**

NANO: **No**

SUBSTANCE ROLE: **Alloy element**

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens           | Occupational Carcinogen                                                                                                                                   |
| CAN         | MAK                                         | Carcinogen Group 1 - Substances that cause cancer in man                                                                                                  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |
| 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                                                                                                                |
| CAN         | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen                                                                                                             |
| RES         | MAK                                         | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| 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]                   |
| 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] |
| 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]                                          |
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                                                                   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1                                                                                                 |
| CAN         | GHS - Australia                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                           |
|-----------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                             | Green Science Policy Institute (GSPI)                  | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                            |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products              |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                 |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPH) | 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 (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products                         |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                        |                                                                                                                                                        |

|                                                           |                    |                                            |          |                               |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------------|
| ALUMINUM                                                  |                    |                                            |          | ID: 7429-90-5                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2025-07-09 10:56:29 |          |                               |
| %: 0.0000 - 3.0000                                        | GreenScreen: LT-P1 | RC: Both                                   | NANO: No | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                         | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor                                                                                                                             |
| 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]                                          |
| PHY                                                                         | GHS - Japan                                             | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |
| PHY                                                                         | GHS - Malaysia                                          | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                                                                         | GHS - Australia                                         | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |
| PHY                                                                         | GHS - New Zealand                                       | Pyrophoric solids category 1                                                                                                                              |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials    |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's 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                                         |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                         |                                                                                                                                                           |

BORON

ID: 7440-42-8

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                                                                                     | HAZARD SCREENING DATE: <b>2025-07-09 10:56:29</b> |                                      |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------|
| %: <b>0.0000 - 1.1000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b>                                                                                                      | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                                                                                            |                                                   |                                      |
| MAM                                                              | GHS - Japan                | H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2] |                                                   |                                      |

| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                             |                                                         | Biological and Environmentally Released Materials                                             |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                             |                                                         | Children's Products                                                                           |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025            |
|                                                                             |                                                         | Children's Toy Products                                                                       |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                         |                                                                                               |

|                                                                             |                                       |          |                                                |                               |
|-----------------------------------------------------------------------------|---------------------------------------|----------|------------------------------------------------|-------------------------------|
| CARBON                                                                      |                                       |          | ID: 7440-44-0                                  |                               |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                   |                                       |          | HAZARD SCREENING DATE: 2025-07-09 10:56:30     |                               |
| %: 0.0000 - 1.0000                                                          | GreenScreen: LT-UNK                   | RC: Both | NANO: No                                       | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                  |          | WARNINGS                                       |                               |
| None found                                                                  |                                       |          | No warnings found on HPD Priority Hazard Lists |                               |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                  |          | NOTIFICATION                                   |                               |
| RESTRICTED LIST                                                             | Green Science Policy Institute (GSPI) |          | GSPI - Six Classes Precautionary List          |                               |
|                                                                             |                                       |          | Antimicrobials                                 |                               |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                       |          |                                                |                               |

| NITROGEN                                                  |                      |         |                                                | ID: 7727-37-9                 |
|-----------------------------------------------------------|----------------------|---------|------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |         | HAZARD SCREENING DATE: 2025-07-09 10:56:33     |                               |
| %: 0.0000 - 0.9000                                        | GreenScreen: NoGS    | RC: UNK | NANO: No                                       | SUBSTANCE ROLE: Alloy element |
| 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<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

PHOSPHORUS

ID: 7723-14-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-09 10:56:32

%: 0.0000 - 0.9000

GreenScreen: BM-2

RC: UNK

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | LIST NAME AND SOURCE                          | WARNINGS                                                                    |
|-------------|-----------------------------------------------|-----------------------------------------------------------------------------|
| MAM         | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances                                              |
| MAM         | GHS - New Zealand                             | Specific target organ toxicity - repeated exposure category 1               |
| PHY         | GHS - New Zealand                             | Pyrophoric solids category 1                                                |
| EYE         | GHS - New Zealand                             | Serious eye damage category 1                                               |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - acute category 1                     |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - chronic category 1                   |
| MAM         | Québec CSST - WHMIS 1988                      | Class D1A - Very toxic material causing immediate and serious toxic effects |
| SKI         | GHS - New Zealand                             | Skin corrosion category 1A                                                  |
| MAM         | GHS - New Zealand                             | Acute dermal toxicity category 1                                            |
| MAM         | GHS - New Zealand                             | Acute inhalation toxicity category 1                                        |
| MAM         | GHS - New Zealand                             | Acute oral toxicity category 1                                              |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                            |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care 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: This substance is used as part of the steel alloy mixture.

|                                                                             |                                                         |                |                                                                                               |                                      |
|-----------------------------------------------------------------------------|---------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>            |                                                         |                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:31</b>                                             |                                      |
| ?: <b>0.0000 - 0.9000</b>                                                   | GreenScreen: <b>BM-2</b>                                | RC: <b>UNK</b> | NANO: <b>No</b>                                                                               | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                    |                | WARNINGS                                                                                      |                                      |
| MAM                                                                         | US EPA - EPCRA Extremely Hazardous Substances           |                | Extremely Hazardous Substances                                                                |                                      |
| MAM                                                                         | GHS - New Zealand                                       |                | Specific target organ toxicity - repeated exposure category 1                                 |                                      |
| PHY                                                                         | GHS - New Zealand                                       |                | Pyrophoric solids category 1                                                                  |                                      |
| EYE                                                                         | GHS - New Zealand                                       |                | Serious eye damage category 1                                                                 |                                      |
| AQU                                                                         | GHS - New Zealand                                       |                | Hazardous to the aquatic environment - acute category 1                                       |                                      |
| AQU                                                                         | GHS - New Zealand                                       |                | Hazardous to the aquatic environment - chronic category 1                                     |                                      |
| MAM                                                                         | Québec CSST - WHMIS 1988                                |                | Class D1A - Very toxic material causing immediate and serious toxic effects                   |                                      |
| SKI                                                                         | GHS - New Zealand                                       |                | Skin corrosion category 1A                                                                    |                                      |
| MAM                                                                         | GHS - New Zealand                                       |                | Acute dermal toxicity category 1                                                              |                                      |
| MAM                                                                         | GHS - New Zealand                                       |                | Acute inhalation toxicity category 1                                                          |                                      |
| MAM                                                                         | GHS - New Zealand                                       |                | Acute oral toxicity category 1                                                                |                                      |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                    |                | NOTIFICATION                                                                                  |                                      |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) |                | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                      |
|                                                                             |                                                         |                | Cosmetics & Personal Care Products                                                            |                                      |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) |                | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025            |                                      |
|                                                                             |                                                         |                | Cosmetics and Personal Care Products                                                          |                                      |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                         |                |                                                                                               |                                      |

|                                                                  |                           |                |                                                   |                                      |
|------------------------------------------------------------------|---------------------------|----------------|---------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           |                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:33</b> |                                      |
| ?: <b>0.0000 - 0.9000</b>                                        | GreenScreen: <b>LT-P1</b> | RC: <b>UNK</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |

| HAZARD TYPE         | LIST NAME AND SOURCE                                   | WARNINGS                                                                                                                                                  |
|---------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                 | MAK                                                    | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |
| PBT                 | OR DEQ - Priority Persistent Pollutants                | Priority Persistent Pollutant - Tier 1                                                                                                                    |
| MUL                 | German FEA - Substances Hazardous to Waters            | Class 3 - Severe Hazard to Waters                                                                                                                         |
| 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              | 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]                                          |
| MAM                 | GHS - Korea                                            | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]                                                                                            |
| AQU                 | GHS - Korea                                            | 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]                                                                                            |
| MAM                 | GHS - Australia                                        | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| MAM                 | GHS - Korea                                            | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                             |
|                     |                                                        | Biological and Environmentally Released Materials                                                                                                         |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                             |
|                     |                                                        | Children's Products                                                                                                                                       |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                             |
|                     |                                                        | Cosmetics & Personal Care Products                                                                                                                        |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                        |
|                     |                                                        | Children's Toy Products                                                                                                                                   |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

|                                                                             |                      |         |                                                |                               |  |
|-----------------------------------------------------------------------------|----------------------|---------|------------------------------------------------|-------------------------------|--|
| NIOBIUM                                                                     |                      |         |                                                | ID: 7440-03-1                 |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                   |                      |         | HAZARD SCREENING DATE: 2025-07-09 10:56:33     |                               |  |
| %: 0.0000 - 0.9000                                                          | GreenScreen: LT-UNK  | RC: UNK | NANO: No                                       | SUBSTANCE ROLE: Alloy element |  |
| 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: This substance is used as part of the steel alloy mixture. |                      |         |                                                |                               |  |

|                                                           |                   |         |                                            |                               |               |
|-----------------------------------------------------------|-------------------|---------|--------------------------------------------|-------------------------------|---------------|
| SULFUR DIOXIDE                                            |                   |         |                                            |                               | ID: 7446-09-5 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |         | HAZARD SCREENING DATE: 2025-07-09 10:56:32 |                               |               |
| %: 0.0000 - 0.9000                                        | GreenScreen: LT-1 | RC: UNK | NANO: No                                   | SUBSTANCE ROLE: Alloy element |               |

| HAZARD TYPE | LIST NAME AND SOURCE                          | WARNINGS                                                                                                                                                  |
|-------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors         | Potential Endocrine Disruptor                                                                                                                             |
| DEV         | CA EPA - Prop 65                              | Developmental toxicity                                                                                                                                    |
| MAM         | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances                                                                                                                            |
| 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     | H331 - Toxic if inhaled [Acute toxicity (inhalation) - 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 - New Zealand                             | 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]                                          |
| EYE         | GHS - New Zealand                             | Serious eye damage category 1                                                                                                                             |
| SKI         | GHS - Australia                               | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| MAM         | GHS - New Zealand                             | Acute inhalation toxicity category 3                                                                                                                      |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - acute category 1                                                                                                   |
| REP         | GHS - New Zealand                             | Reproductive toxicity category 2                                                                                                                          |
| AQU         | GHS - New Zealand                             | Hazardous to the aquatic environment - chronic category 1                                                                                                 |
| SKI         | GHS - New Zealand                             | Skin corrosion category 1B                                                                                                                                |
| MAM         | Québec CSST - WHMIS 1988                      | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |
| MAM         | GHS - Malaysia                                | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| SKI         | GHS - Malaysia                                | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]                                                      |
| EYE         | GHS - Malaysia                                | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                                                         |
| MAM         | GHS - Australia                               | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| EYE         | GHS - Japan                                   | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |
| MAM         | GHS - Japan                                   | H331 - Toxic if inhaled [Acute toxicity (inhalation: gas) - 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                                                             | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br><br>Some Solvents  |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                       |                                                             |

TIN

ID: 7440-31-5

|                                                                             |                                                          |                 |                                                                                                                                                           |                                      |
|-----------------------------------------------------------------------------|----------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>            |                                                          |                 | HAZARD SCREENING DATE: <b>2025-07-09 10:56:31</b>                                                                                                         |                                      |
| ?: <b>0.0000 - 0.9000</b>                                                   | GreenScreen: <b>LT-P1</b>                                | RC: <b>Both</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                     |                 | WARNINGS                                                                                                                                                  |                                      |
| 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                                              |                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                      |
| AQU                                                                         | GHS - New Zealand                                        |                 | Hazardous to the aquatic environment - acute category 1                                                                                                   |                                      |
| AQU                                                                         | GHS - New Zealand                                        |                 | Hazardous to the aquatic environment - chronic category 1                                                                                                 |                                      |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                     |                 | NOTIFICATION                                                                                                                                              |                                      |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CP II) |                 | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                        |                                      |
|                                                                             |                                                          |                 | Children's Toy Products                                                                                                                                   |                                      |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                          |                 |                                                                                                                                                           |                                      |

TITANIUM

ID: 7440-32-6

|                                                                  |                            |                |                                                   |                                      |
|------------------------------------------------------------------|----------------------------|----------------|---------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:31</b> |                                      |
| ?: <b>0.0000 - 0.9000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |

| HAZARD TYPE                                                                 | LIST NAME AND SOURCE | WARNINGS                                                                                 |
|-----------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------|
| PHY                                                                         | GHS - Japan          | H225 - Highly flammable liquid and vapour [Flammable solids - Category 1]                |
| PHY                                                                         | GHS - Japan          | H250 - Catches fire spontaneously if exposed to air [Pyrophoric solids - Category 1]     |
| PHY                                                                         | GHS - Japan          | H251 - Self-heating;; may catch fire [Self-heating substances and mixtures - Category 1] |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE | NOTIFICATION                                                                             |
| None found                                                                  |                      | No listings found on Additional Hazard Lists                                             |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                      |                                                                                          |

TUNGSTEN METALID: 7440-33-7

|                                                                             |                            |                |                                                                                                         |                                      |
|-----------------------------------------------------------------------------|----------------------------|----------------|---------------------------------------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>            |                            |                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:30</b>                                                       |                                      |
| %: <b>0.0000 - 0.9000</b>                                                   | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b> | NANO: <b>No</b>                                                                                         | SUBSTANCE ROLE: <b>Alloy element</b> |
| 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: This substance is used as part of the steel alloy mixture. |                            |                |                                                                                                         |                                      |

VANADIUMID: 7440-62-2

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                             | HAZARD SCREENING DATE: 2025-07-09 10:56:30                 |          |                               |
|-----------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|----------|-------------------------------|
| %: 0.0000 - 0.9000                                        | GreenScreen: LT-1                           | RC: None                                                   | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                        | WARNINGS                                                   |          |                               |
| CAN                                                       | MAK                                         | Carcinogen Group 2 - Considered to be carcinogenic for man |          |                               |
| MUL                                                       | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                 |          |                               |
| GEN                                                       | MAK                                         | Germ Cell Mutagen 2                                        |          |                               |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                        | NOTIFICATION                                               |          |                               |
| None found                                                |                                             | No listings found on Additional Hazard Lists               |          |                               |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

MOLYBDENUM

ID: 7439-98-7

|                                                                  |                            |                                                                                                         |                                                   |                                      |
|------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                                                                         | HAZARD SCREENING DATE: <b>2025-07-09 10:56:34</b> |                                      |
| ?: <b>0.0000 - 0.9000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b>                                                                                          | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                                                                                |                                                   |                                      |
| MAM                                                              | GHS - Japan                | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                                                   |                                      |
| SKI                                                              | GHS - Japan                | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                |                                                   |                                      |
| REP                                                              | GHS - New Zealand          | Reproductive toxicity category 2                                                                        |                                                   |                                      |
| ADDITIONAL LISTINGS                                              | LIST NAME AND SOURCE       | NOTIFICATION                                                                                            |                                                   |                                      |
| None found                                                       |                            | No listings found on Additional Hazard Lists                                                            |                                                   |                                      |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

MAGNESIUM

ID: 7439-95-4

|                                                                  |                                           |                                                                                                                                                                                |                                                   |                                      |
|------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                           |                                                                                                                                                                                | HAZARD SCREENING DATE: <b>2025-07-09 10:56:31</b> |                                      |
| ?: <b>0.0000 - 0.9000</b>                                        | GreenScreen: <b>LT-UNK</b>                | RC: <b>None</b>                                                                                                                                                                | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Alloy element</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                                       |                                                   |                                      |
| PHY                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | 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] |                                                   |                                      |
| PHY                                                              | EU - GHS (H-Statements) Annex 6 Table 3-1 | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                                       |                                                   |                                      |
| MAM                                                              | GHS - Japan                               | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                                        |                                                   |                                      |
| PHY                                                              | GHS - Australia                           | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                                       |                                                   |                                      |
| SKI                                                              | GHS - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                                       |                                                   |                                      |
| PHY                                                              | GHS - Australia                           | 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] |                                                   |                                      |
| 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: This substance is used as part of the steel alloy mixture

CALCIUM OXIDE

ID: 1305-78-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-09 10:56:32

%: 0.0000 - 0.9000

GreenScreen: BM-2

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | LIST NAME AND SOURCE | WARNINGS                                                                                                                                                  |
|-------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKI         | GHS - Australia      | H315 - Causes skin irritation [Skin corrosion/irritation - 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] |
| MAM         | GHS - Japan          | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| SKI         | GHS - New Zealand    | Skin corrosion category 1C                                                                                                                                |
| 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]                                                                                  |
| EYE         | GHS - Australia      | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                                                         |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                                                |
|---------------------|---------------------------------------|-------------------------------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List<br><br>Antimicrobials |

SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture.

ANTIMONY

ID: 7440-36-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-09 10:56:33

%: 0.0000 - 0.9000

GreenScreen: LT-1

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE                                                                 | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                               |
|-----------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN                                                                         | MAK                                                     | Carcinogen Group 2 - Considered to be carcinogenic for man                                                                                             |
| 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]                                   |
| EYE                                                                         | GHS - New Zealand                                       | Eye irritation category 2                                                                                                                              |
| CAN                                                                         | GHS - New Zealand                                       | Carcinogenicity category 2                                                                                                                             |
| AQU                                                                         | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 2                                                                                              |
| REP                                                                         | GHS - New Zealand                                       | Reproductive toxicity category 2                                                                                                                       |
| SKI                                                                         | GHS - Korea                                             | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]                                                                |
| AQU                                                                         | GHS - Korea                                             | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                   |
| ADDITIONAL LISTINGS                                                         | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                           |
| RESTRICTED LIST                                                             | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                            |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                             | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care 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                                      |
| SUBSTANCE NOTES: This substance is used as part of the steel alloy mixture. |                                                         |                                                                                                                                                        |

|                                                                                                                                                                                                          |                                                    |                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------|
| PRIME PAINT (FRAME)                                                                                                                                                                                      | %: 3.4400                                          |                                   |
| MATERIAL THRESHOLD: 100 ppm                                                                                                                                                                              | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were collected for all raw materials included in this product. All chemicals that fall above the stated threshold are included in this section. |                                                    |                                   |

WATER

ID: 7732-18-5

|                                                                               |                                              |                 |                                                              |                                |
|-------------------------------------------------------------------------------|----------------------------------------------|-----------------|--------------------------------------------------------------|--------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>              |                                              |                 | HAZARD SCREENING DATE: <b>2025-07-09 10:56:33</b>            |                                |
| %: <b>47.7098</b>                                                             | GreenScreen: <b>BM-4</b>                     | RC: <b>None</b> | NANO: <b>No</b>                                              | SUBSTANCE ROLE: <b>Solvent</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: This substance is part of mixture for rust inhibitor primer. |                                              |                 |                                                              |                                |

FERRIC OXIDE

ID: 1309-37-1

|                                                                               |                          |                 |                                                                                                                                                           |                                        |
|-------------------------------------------------------------------------------|--------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>              |                          |                 | HAZARD SCREENING DATE: <b>2025-07-09 10:56:34</b>                                                                                                         |                                        |
| %: <b>13.1021</b>                                                             | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                                   | LIST NAME AND SOURCE     |                 | WARNINGS                                                                                                                                                  |                                        |
| CAN                                                                           | MAK                      |                 | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |                                        |
| 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: This substance is part of mixture for rust inhibitor primer. |                          |                 |                                                                                                                                                           |                                        |

QUARTZ

ID: 14808-60-7

|                                                                  |                          |                 |                                                   |                                        |
|------------------------------------------------------------------|--------------------------|-----------------|---------------------------------------------------|----------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          |                 | HAZARD SCREENING DATE: <b>2025-07-09 10:56:34</b> |                                        |
| %: <b>6.7086</b>                                                 | GreenScreen: <b>BM-1</b> | RC: <b>None</b> | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Polymer species</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                 | 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                 | IARC                              | Group 1 - Agent is Carcinogenic to humans                                                                                                                 |
| CAN                 | US NIH - Report on Carcinogens    | Known to be a human Carcinogen                                                                                                                            |
| CAN                 | GHS - Japan                       | H350 - May cause cancer [Carcinogenicity - Category 1A]                                                                                                   |
| CAN                 | GHS - Australia                   | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |
| CAN                 | GHS - New Zealand                 | Carcinogenicity category 1                                                                                                                                |
| MAM                 | GHS - Japan                       | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| GEN                 | GHS - Japan                       | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| MAM                 | GHS - Australia                   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM                 | GHS - New Zealand                 | 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: This substance is part of mixture for rust inhibitor primer.

1-PROPOXY-2-PROPANOL

ID: 1569-01-3

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            |                                                                                          | HAZARD SCREENING DATE: <b>2025-07-09 10:56:34</b> |                                        |
|------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------|
| %: <b>4.1158</b>                                                 | GreenScreen: <b>LT-UNK</b> | RC: <b>None</b>                                                                          | NANO: <b>No</b>                                   | SUBSTANCE ROLE: <b>Polymer species</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE       | WARNINGS                                                                                 |                                                   |                                        |
| EYE                                                              | GHS - New Zealand          | Eye irritation category 2                                                                |                                                   |                                        |
| SKI                                                              | GHS - Japan                | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                 |                                                   |                                        |
| EYE                                                              | GHS - Japan                | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A] |                                                   |                                        |

| ADDITIONAL LISTINGS                                                           | LIST NAME AND SOURCE                  | NOTIFICATION                          |
|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| RESTRICTED LIST                                                               | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
|                                                                               |                                       | Some Solvents                         |
| SUBSTANCE NOTES: This substance is part of mixture for rust inhibitor primer. |                                       |                                       |

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           |                                                                                                                                                           | HAZARD SCREENING DATE: 2025-07-09 10:56:35 |                                 |
|-----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|
| %: 3.8579                                                 | GreenScreen: BM-2                         | RC: None                                                                                                                                                  | NANO: No                                   | SUBSTANCE ROLE: Polymer species |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |                                            |                                 |
| END                                                       | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |                                            |                                 |
| 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 | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |                                            |                                 |
| EYE                                                       | GHS - New Zealand                         | Eye irritation category 2                                                                                                                                 |                                            |                                 |
| EYE                                                       | GHS - Australia                           | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                                                    |                                            |                                 |
| 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 - Japan                               | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |                                            |                                 |
| REP                                                       | GHS - Japan                               | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |                                            |                                 |
| MAM                                                       | Québec CSST - WHMIS 1988                  | Class D1A - Very toxic material causing immediate and serious toxic effects                                                                               |                                            |                                 |
| MAM                                                       | GHS - Japan                               | H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]                                                                                  |                                            |                                 |
| EYE                                                       | GHS - Japan                               | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |                                            |                                 |
| MAM                                                       | GHS - Japan                               | H330 - Fatal if inhaled [Acute toxicity (inhalation: vapor) - Category 2]                                                                                 |                                            |                                 |

| ADDITIONAL LISTINGS                                                           | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                  |
|-------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                               | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List                                                         |
|                                                                               |                                                         | Some Solvents                                                                                 |
| RESTRICTED LIST                                                               | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                               |                                                         | Cosmetics & Personal Care Products                                                            |
| SUBSTANCE NOTES: This substance is part of mixture for rust inhibitor primer. |                                                         |                                                                                               |

TRIZINC BIS(ORTHOPHOSPHATE)

ID: 7779-90-0

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             |                 | HAZARD SCREENING DATE: <b>2025-07-09 10:56:35</b>                                                                                                         |                                        |  |
|------------------------------------------------------------------|---------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|
| %: <b>2.7922</b>                                                 | GreenScreen: <b>LT-P1</b>                   | RC: <b>None</b> | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Polymer species</b> |  |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        |                 | WARNINGS                                                                                                                                                  |                                        |  |
| MUL                                                              | German FEA - Substances Hazardous to Waters |                 | Class 3 - Severe 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                                 |                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated 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                                                                                                 |                                        |  |
| 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]                                 |                                        |  |
| REP                                                              | GHS - Japan                                 |                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |                                        |  |

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

SUBSTANCE NOTES: This substance is part of mixture for rust inhibitor primer.

## 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) - Classroom & Office scenario |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------|
| CERTIFYING PARTY: Third Party                                                                                                                                                                                               | ISSUE DATE: 2025-04-15 00:00:00                                              | CERTIFIER OR LAB: Intertek   |
| APPLICABLE FACILITIES: MPI KY, LLC                                                                                                                                                                                          | EXPIRY DATE:                                                                 |                              |
| CERTIFICATE URL:                                                                                                                                                                                                            |                                                                              |                              |
| CERTIFICATION AND COMPLIANCE NOTES:                                                                                                                                                                                         |                                                                              |                              |
| LCA                                                                                                                                                                                                                         | Environmental Product Declaration (EPD) by SCS                               |                              |
| CERTIFYING PARTY: Third Party                                                                                                                                                                                               | ISSUE DATE: 2024-05-01 00:00:00                                              | CERTIFIER OR LAB: SCS Global |
| APPLICABLE FACILITIES: MPI KY, LLC                                                                                                                                                                                          | EXPIRY DATE: 2029-05-30 00:00:00                                             |                              |
| CERTIFICATE URL:                                                                                                                                                                                                            |                                                                              |                              |
| <a href="https://cdn.scs-certified.com/products/cert_pdfs/SCS-EPD-10118_MPI-Ky_DoorFrame_050124.pdf">https://cdn.scs-certified.com/products/cert_pdfs/SCS-EPD-10118_MPI-Ky_DoorFrame_050124.pdf</a>                         |                                                                              |                              |
| CERTIFICATION AND COMPLIANCE NOTES: Manufacture EPD                                                                                                                                                                         |                                                                              |                              |
| LCA                                                                                                                                                                                                                         | Environmental Product Declaration (EPD) by SCS                               |                              |
| CERTIFYING PARTY: Third Party                                                                                                                                                                                               | ISSUE DATE: 2024-05-01 00:00:00                                              | CERTIFIER OR LAB: SCS Global |
| APPLICABLE FACILITIES: MPI KY, LLC                                                                                                                                                                                          | EXPIRY DATE: 2029-05-30 00:00:00                                             |                              |
| CERTIFICATE URL:                                                                                                                                                                                                            |                                                                              |                              |
| <a href="https://cdn.scs-certified.com/products/cert_pdfs/SCS-EPD-10116_SteelDoorInstitute_DoorFrame_050124.pdf">https://cdn.scs-certified.com/products/cert_pdfs/SCS-EPD-10116_SteelDoorInstitute_DoorFrame_050124.pdf</a> |                                                                              |                              |
| CERTIFICATION AND COMPLIANCE NOTES: Industry EPD                                                                                                                                                                            |                                                                              |                              |

## 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

This Health Product Declaration was prepared using MSDS sheets by MPI.

## MANUFACTURER INFORMATION

MANUFACTURER: **MPI**  
ADDRESS: **319 N. Hills Road**  
**Corbin, KY 40701**  
COUNTRY: **USA**

WEBSITE: **www.metalproductsinc.com**  
CONTACT NAME: **David McConnell**  
TITLE: **Products & Services Manager**  
PHONE: **606-523-0461**  
EMAIL: **dmccconnell@metalproductsinc.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

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

### Recycled Types

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | 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*

