

Recessed, Semi-Recessed, Trimless and Surface Mount Fire Protection Cabinets by Potter Roemer Fire Pro

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 106091246592  
CLASSIFICATION: 10 44 00 Fire Protection Specialties  
PRODUCT DESCRIPTION: This HPD covers fire-rated and non-rated fire extinguisher, fire hoses and valves cabinets constructed in either cold rolled steel, galvanized steel, stainless steel, aluminum or brass by Potter Roemer Fire Pro all models in the series of Alta, Buena, Dana, Loma, Detention designs. These cabinets are available in different options and sizes as well as custom models related to this product line.

Section 1: Summary Nested Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                               | Threshold Level                            | Residuals/Impurities Evaluation                               | For all contents above the threshold, the manufacturer has:                        |
|----------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm              | Completed in 4 of 14 Materials                                | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <input type="radio"/> Basic Method                       | <input checked="" type="radio"/> 1,000 ppm | Explanation(s) provided for Residuals/Impurities?             | Provided weight and role.                                                          |
| Threshold Disclosed Per                                  | <input type="radio"/> Per GHS SDS          | <input checked="" type="radio"/> Yes <input type="radio"/> No | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                           | <input type="radio"/> Other                |                                                               | Provided screening results using HPDC-approved methods.                            |
| <input checked="" type="radio"/> Product                 |                                            |                                                               | <b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No    |
|                                                          |                                            |                                                               | Provided name and CAS RN or other identifier.                                      |

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**

COLD ROLLED STEEL [ IRON (2+) NTA NoGS MANGANESE LT-P1 | END | MUL | REP | MAM | AQU COPPER LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI CARBON LT-UNK NICKEL LT-1 | CAN | RES | MUL | MAM | SKI | AQU SILICON, ELEMENTAL LT-UNK ALUMINUM BM-1 | END | PHY | MAM PHOSPHORUS (PRIMARY CASRN IS 7723-14-0) BM-2 | MAM | PHY | EYE | AQU | SKI SULPHUR TETRACHLORIDE LT-UNK | SKI | AQU ] STAINLESS STEEL [ CHROMIUM LT-P1 | END | SKI | GEN | REP | MAM NICKEL (PRIMARY CASRN IS 7440-02-0) LT-1 | CAN | RES | MUL | MAM | SKI | AQU MANGANESE LT-P1 | END | MUL | REP | MAM | AQU COBALT LT-1 | CAN | REP | MUL | RES | GEN | EYE | MAM | SKI MOLYBDENUM LT-UNK | SKI | REP COPPER LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI NITROGEN NoGS PHOSPHORUS BM-2 | MAM | PHY | EYE | AQU | SKI PHOSPHORUS BM-2 | MAM | PHY | EYE | AQU | SKI CARBON LT-UNK | ALUMINUM | FERUMOXIDES NoGS SILICON, ELEMENTAL LT-UNK MANGANESE LT-P1 | END | MUL | REP | MAM | AQU ZINC, ELEMENTAL LT-P1 | END | MUL | PHY | AQU CHROMIUM LT-P1 | END | SKI | GEN | REP | MAM ] FIRE-RATED INSULATION TYPE X/TYPE C GYPSUM BOARD [ CALCIUM SULFATE LT-UNK CALCIUM SULFATE LT-UNK ALUMINATE (AL(OH)41-), (T-4)- NoGS TALC BM-1 | CAN | MAM CELLULOSE, MICROCRYSTALLINE LT-UNK PARAFFIN LT-UNK CALCIUM CARBONATE (PRIMARY CASRN IS 471-34-1) BM-3 | EYE ] BRASS SHEET C26000 [ COPPER LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI ZINC, ELEMENTAL LT-P1 | END | MUL | PHY | AQU IRON, ELEMENTAL LT-P1 | END | LEAD BM-1 | END | PBT | MUL | CAN | DEV | REP | GEN | AQU | MAM ] ACRYLIC SHEET [ POLYMETHYL METHACRYLATE LT-P1 ] POWDER COAT [ TITANIUM DIOXIDE LT-1 | CAN | END | MAM TRIGLYCIDYL ISOCYANURATE LT-1 | MUL | RES |

Number of Greenscreen BM-4/BM3 contents ... 1  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1  
Nanomaterial ... No  
**INVENTORY AND SCREENING NOTES:**

HPD was prepared using Nested Materials Inventory with a product threshold at 1,000 ppm. Potter Roemer Fire Pro cabinets are all made from the same galvanized steel, stainless steel, aluminum, or brass and are included in this HPD.

GEN | MAM | EYE | SKI | AQU | REP **ALUMINUM OXIDE** BM-2 | MAM ]  
**STEEL PIANO HINGE [ IRON, ELEMENTAL** LT-P1 | END **ALUMINUM**  
BM-1 | END | PHY | MAM **MANGANESE** LT-P1 | END | MUL | REP | MAM  
| AQU **COPPER** LT-P1 | MUL | AQU | GEN | EYE | MAM | SKI **NICKEL**  
NoGS **CARBON** LT-UNK **PHOSPHORUS** BM-2 | MAM | PHY | EYE |  
AQU | SKI ] **HARDWARE/HINGES STAINLES STEEL [ IRON,**  
**ELEMENTAL** LT-P1 | END **CHROMIUM** LT-P1 | END | SKI | GEN | REP |  
MAM **MANGANESE** LT-P1 | END | MUL | REP | MAM | AQU **SILICON,**  
**ELEMENTAL** LT-UNK ] **ALUMINUM HINGE [ ALUMINUM** BM-1 | END |  
PHY | MAM ] **RECESSED PULL DOOR HANDLE [ ABS RESIN** LT-UNK ]  
**DOOR LOCK [ ZINC, ELEMENTAL** LT-P1 | END | MUL | PHY | AQU  
**IRON, ELEMENTAL** LT-P1 | END ] **ROLLER CATCH [ AISI 10B21**  
**STEEL** NoGS **NYLON 6 (WITH STAIN RESISTANCE)** LT-UNK ] **BREAK**  
**RITE HANDLE [ IRON, ELEMENTAL** LT-P1 | END **MANGANESE** LT-P1 |  
END | MUL | REP | MAM | AQU **CARBON** LT-UNK **SULFUR BLACK 10**  
NoGS ]

**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: Inherently non-emitting source per LEED

**CONSISTENCY WITH OTHER PROGRAMS**  
No pre-checks completed or disclosed.

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2023-07-05 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2023-08-02 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2026-07-05    |

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)

|                                                                                                                                                                     |                                                   |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|
| COLD ROLLED STEEL                                                                                                                                                   | %: 45.0000 - 85.0000                              |                      |
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                         | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: The chemical composition of the cold-rolled steel may contain residual impurities, bat information is not provided by the supplier. |                                                   |                      |
| OTHER MATERIAL NOTES: Cabinets are built from cold-rolled steel as the primary standard material for the tub and also can be used for door and frame                |                                                   |                      |

|                                                                                                                  |                      |                                            |                                                |                                     |
|------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------|------------------------------------------------|-------------------------------------|
| IRON (2+) NTA                                                                                                    |                      |                                            |                                                | ID: 68391-67-3                      |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                        |                      | HAZARD SCREENING DATE: 2023-07-12 10:53:14 |                                                |                                     |
| %: 96.0000 - 99.0000                                                                                             | GreenScreen: NoGS    | RC: Both                                   | NANO: No                                       | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                                                                                      | LIST NAME AND SOURCE |                                            | WARNINGS                                       |                                     |
| None found                                                                                                       |                      |                                            | No warnings found on HPD Priority Hazard Lists |                                     |
| ADDITIONAL LISTINGS                                                                                              | LIST NAME AND SOURCE |                                            | NOTIFICATION                                   |                                     |
| None found                                                                                                       |                      |                                            | No listings found on Additional Hazard Lists   |                                     |
| SUBSTANCE NOTES: Iron is the main chemical element in various grades of steel. Recycled content can be above 85% |                      |                                            |                                                |                                     |

|                                                           |  |                    |                                            |         |               |                               |
|-----------------------------------------------------------|--|--------------------|--------------------------------------------|---------|---------------|-------------------------------|
| MANGANESE                                                 |  |                    |                                            |         | ID: 7439-96-5 |                               |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |  |                    | HAZARD SCREENING DATE: 2023-07-07 14:32:52 |         |               |                               |
| %: 0.2700 - 0.2900                                        |  | 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 2 - 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]                   |
| MAM                                                                     | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| AQU                                                                     | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| ADDITIONAL LISTINGS                                                     | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                         | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                                                                         |                                                          | Biological and Environmentally Released Materials                                                                                                         |
| RESTRICTED LIST                                                         | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                                                                         |                                                          | Children's Products                                                                                                                                       |
| SUBSTANCE NOTES: Steel alloy chemical element for various steel grades. |                                                          |                                                                                                                                                           |

COPPER

ID: 7440-50-8

|                                                           |                    |                                            |          |                               |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2023-07-07 14:51:20 |          |                               |
| %: 0.0900 - 0.0950                                        | GreenScreen: LT-P1 | RC: UNK                                    | NANO: No | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE                                                           | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |
|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                                                                   | German FEA - Substances Hazardous to Waters              | Class 2 - 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]                                 |
| GEN                                                                   | GHS - New Zealand                                        | Germ cell mutagenicity category 1                                                                                                                    |
| EYE                                                                   | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                            |
| MAM                                                                   | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                     |
| SKI                                                                   | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                                        |
| MAM                                                                   | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                                                 |
| MAM                                                                   | GHS - New Zealand                                        | Acute oral toxicity category 2                                                                                                                       |
| AQU                                                                   | GHS - New Zealand                                        | Hazardous to the aquatic environment - acute category 1                                                                                              |
| AQU                                                                   | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 2                                                                                            |
| AQU                                                                   | GHS - Australia                                          | 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                                                       | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                           |
| RESTRICTED LIST                                                       | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| SUBSTANCE NOTES: Chemical elements in various grades of steel alloys. |                                                          |                                                                                                                                                      |

|                                                           |                      |  |                                                |          |                               |
|-----------------------------------------------------------|----------------------|--|------------------------------------------------|----------|-------------------------------|
| CARBON                                                    |                      |  |                                                |          | ID: 7440-44-0                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |  | HAZARD SCREENING DATE: 2023-07-07 14:37:57     |          |                               |
| %: 0.0300 - 0.0500                                        | 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                                                  |
|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|
| RESTRICTED LIST                                                       | Green Science Policy Institute (GSPI) | GSPI - Six Classes of Problematic Chemicals<br>Antimicrobials |
| SUBSTANCE NOTES: Alloy chemical elements for various grades of steel. |                                       |                                                               |

NICKEL

ID: 7440-02-0

|                                                                  |                          |                                                   |                 |                                      |
|------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-07-07 14:52:42</b> |                 |                                      |
| ?: <b>0.0400 - 0.0450</b>                                        | GreenScreen: <b>LT-1</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Alloy element</b> |

| 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                                                                                                  |
| 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                                                                                         |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                |
| 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 of Problematic Chemicals<br><br>Certain Metals                                                                                    |
| RESTRICTED LIST                                                       | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 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 (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                       | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products              |
| SUBSTANCE NOTES: Chemical elements in various grades of steel alloys. |                                                         |                                                                                                                                                      |

|                                                                      |                      |  |                                                |          |                               |
|----------------------------------------------------------------------|----------------------|--|------------------------------------------------|----------|-------------------------------|
| SILICON, ELEMENTAL                                                   |                      |  |                                                |          | ID: 7440-21-3                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library            |                      |  | HAZARD SCREENING DATE: 2023-07-07 14:47:30     |          |                               |
| %: 0.0300 - 0.0350                                                   | 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: Chemical elements in various types of steel alloys. |                      |  |                                                |          |                               |

|                                                           |                   |                                            |          |                               |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|-------------------------------|
| ALUMINUM                                                  |                   |                                            |          | ID: 7429-90-5                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-07-07 14:49:05 |          |                               |
| %: 0.0310 - 0.0320                                        | GreenScreen: BM-1 | RC: UNK                                    | NANO: No | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |
| 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                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| PHY         | GHS - New Zealand                         | Flammable solids 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 (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: Chemical elements in various grades of steel alloys

PHOSPHORUS (PRIMARY CASRN IS 7723-14-0) ID: 29879-37-6

|                                                           |                   |                                            |          |                               |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-07-07 14:40:05 |          |                               |
| %: 0.0080 - 0.0090                                        | 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| SUBSTANCE NOTES: Alloy chemical elements for various grades of steel. |                                                         |                                                                                                                                       |

SULPHUR TETRACHLORIDE

ID: 13451-08-6

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                           | HAZARD SCREENING DATE: 2023-07-07 14:44:34                                                           |          |                               |
|-----------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| %: 0.0030 - 0.0035                                        | GreenScreen: LT-UNK                       | RC: UNK                                                                                              | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                      | WARNINGS                                                                                             |          |                               |
| SKI                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |          |                               |
| AQU                                                       | EU - GHS (H-Statements) Annex 6 Table 3-1 | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]        |          |                               |
| SKI                                                       | GHS - Australia                           | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |          |                               |
| AQU                                                       | GHS - Australia                           | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]        |          |                               |
| ADDITIONAL LISTINGS                                       | LIST NAME AND SOURCE                      | NOTIFICATION                                                                                         |          |                               |
| None found                                                |                                           | No listings found on Additional Hazard Lists                                                         |          |                               |

SUBSTANCE NOTES: Chemical elements in various grades of steel alloys.

STAINLESS STEEL

%: 55.0000 - 85.0000

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes      MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Information not provided by the vendor.

OTHER MATERIAL NOTES: Stainless steel may be used to fabricate the door and frame of the cabinets as well as the entire complete cabinets.

CHROMIUM

ID: 7440-47-3

|                                                           |                                                          |                                                                                                                     |          |                               |
|-----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                          | HAZARD SCREENING DATE: 2023-07-07 15:18:49                                                                          |          |                               |
| %: 18.0900 - 18.0950                                      | 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                                                                                       |          |                               |
| SKI                                                       | MAK                                                      | Sensitizing Substance Sh - Danger of skin sensitization                                                             |          |                               |
| GEN                                                       | GHS - Japan                                              | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                   |          |                               |
| REP                                                       | GHS - New Zealand                                        | Reproductive toxicity category 2                                                                                    |          |                               |
| 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 (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |          |                               |
|                                                           |                                                          | Biological and Environmentally Released Materials                                                                   |          |                               |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |          |                               |
|                                                           |                                                          | Children's Products                                                                                                 |          |                               |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |          |                               |
|                                                           |                                                          | Cosmetics & Personal Care Products                                                                                  |          |                               |

SUBSTANCE NOTES: Chemical elements in various grades of stainless steel.

NICKEL (PRIMARY CASRN IS 7440-02-0)

ID: 8049-31-8

|                                                           |                   |                                            |          |                               |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-07-07 15:14:47 |          |                               |
| %: 8.0900 - 8.0950                                        | GreenScreen: LT-1 | RC: UNK                                    | 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                                                                                                  |
| 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                                                                                         |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                |
| 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 of Problematic Chemicals<br><br>Certain Metals                                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 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 (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products              |

SUBSTANCE NOTES: Chemical elements in various grades of stainless steel alloys.

MANGANESE

ID: 7439-96-5

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                             | HAZARD SCREENING DATE: <b>2023-07-12 11:17:30</b>                                                                                                         |                 |                                                  |
|------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------|
| %: <b>1.3000 - 1.3500</b>                                        | GreenScreen: <b>LT-P1</b>                   | RC: <b>UNK</b>                                                                                                                                            | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Tensile strength additive</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |                 |                                                  |
| END                                                              | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor                                                                                                                             |                 |                                                  |
| MUL                                                              | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                |                 |                                                  |
| 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]                   |                 |                                                  |
| MAM                                                              | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                 |                                                  |
| AQU                                                              | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 3                                                                                                 |                 |                                                  |

| ADDITIONAL LISTINGS                                                                           | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                               | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                               |                                                          | Biological and Environmentally Released Materials                                           |
| RESTRICTED LIST                                                                               | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                               |                                                          | Children's Products                                                                         |
| SUBSTANCE NOTES: Contribute to formability and weldability of various stainless steel grades. |                                                          |                                                                                             |

COBALT

ID: 7440-48-4

|                                                                  |                          |                                                   |                 |                                    |
|------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-07-12 11:37:57</b> |                 |                                    |
| %, <b>0.5000 - 0.5500</b>                                        | GreenScreen: <b>LT-1</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Antioxidant</b> |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                                                                  |
|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence                                                                                     |
| REP         | EU - Annex VI CMRs                          | Reproductive Toxicity - Category 1B                                                                                                                       |
| MUL         | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                                                                                      |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |
| CAN         | CA EPA - Prop 65                            | Carcinogen                                                                                                                                                |
| CAN         | MAK                                         | Carcinogen Group 2 - Considered to be carcinogenic for man                                                                                                |
| CAN         | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen                                                                                                             |
| RES         | MAK                                         | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| CAN         | IARC                                        | Group 2a - Agent is probably Carcinogenic to humans                                                                                                       |
| GEN         | MAK                                         | Germ Cell Mutagen 3a                                                                                                                                      |
| CAN         | GHS - Australia                             | H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]                                                                              |
| REP         | GHS - Australia                             | H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]                                                                                  |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]                                                                                             |
| GEN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| REP         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B]                                                                                  |
| EYE         | GHS - New Zealand                           | Eye irritation category 2                                                                                                                                 |
| 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 - New Zealand                           | Specific target organ toxicity - repeated exposure category 1                                                                                             |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| REP         | GHS - New Zealand                           | Reproductive toxicity category 2                                                                                                                          |
| GEN         | EU - Annex VI CMRs                          | Mutagen - Category 2                                                                                                                                      |
| MAM         | GHS - Australia                             | H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]                                                                                   |
| CAN         | EU - REACH Annex XVII CMRs                  | Carcinogens: Category 1B                                                                                                                                  |
| REP         | EU - REACH Annex XVII CMRs                  | Reproductive toxicants: Category 1B                                                                                                                       |

| ADDITIONAL LISTINGS                                                                                  | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                      | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 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 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                      |                                                        | Formulated Consumer Products                                                                |
| SUBSTANCE NOTES: Cobalt in stainless steel is that it increases the metal's resistance to corrosion. |                                                        |                                                                                             |

|                                                                                |                            |                                                   |                                                                          |                                      |
|--------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>               |                            | HAZARD SCREENING DATE: <b>2023-07-07 15:12:57</b> |                                                                          |                                      |
| %: <b>0.3700 - 0.3750</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                                                                 |                                      |
| 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: Chemical elements in various grades of stainless steel alloys |                            |                                                   |                                                                          |                                      |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS                                                                                                             |
|-------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - 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] |
| GEN         | GHS - New Zealand                           | Germ cell mutagenicity category 1                                                                                    |
| EYE         | GHS - New Zealand                           | Eye irritation category 2                                                                                            |
| MAM         | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]     |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1                                                                                        |
| MAM         | GHS - New Zealand                           | Acute inhalation toxicity category 2                                                                                 |
| MAM         | GHS - New Zealand                           | Acute oral toxicity category 2                                                                                       |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1                                                              |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 2                                                            |
| AQU         | GHS - Australia                             | 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     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                           |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: Chemical elements in various grades of stainless steel alloys.

## NITROGEN

ID: **7727-37-9**

|                                                                  |                          |                                                   |                 |                                      |
|------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-07-07 15:21:28</b> |                 |                                      |
| %: <b>0.0630 - 0.0640</b>                                        | GreenScreen: <b>NoGS</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Alloy element</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<br><br>Exempted from REACH Annex IV listing due to intrinsic safety |
| SUBSTANCE NOTES: Chemical elements in various grades os stainless steel alloys. |                                              |                                                                                           |

PHOSPHORUS

ID: 7723-14-0

|                                                           |                                                         |                                            |                                                                                             |                                     |
|-----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                         | HAZARD SCREENING DATE: 2023-07-12 11:21:26 |                                                                                             |                                     |
| %: 0.0340 - 0.0400                                        | GreenScreen: BM-2                                       | RC: UNK                                    | NANO: No                                                                                    | SUBSTANCE ROLE: Corrosion inhibitor |
| 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                     |
|                                                           |                                                         |                                            | Cosmetics & Personal Care Products                                                          |                                     |

PHOSPHORUS

ID: 7723-14-0

|                                                                  |                                                   |
|------------------------------------------------------------------|---------------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> | HAZARD SCREENING DATE: <b>2023-07-12 11:40:26</b> |
|------------------------------------------------------------------|---------------------------------------------------|

|                                                                                       |  |                                                          |         |                                                                                             |                                           |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------|---------|---------------------------------------------------------------------------------------------|-------------------------------------------|
| %: 0.0340 - 0.0350                                                                    |  | GreenScreen: BM-2                                        | RC: UNK | NANO: No                                                                                    | SUBSTANCE ROLE: Tensile strength additive |
| 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 (C2CP II) |         | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                           |
|                                                                                       |  |                                                          |         | Cosmetics & Personal Care Products                                                          |                                           |
| SUBSTANCE NOTES: The Phosphorus present in stainless steel grades increases strength. |  |                                                          |         |                                                                                             |                                           |

CARBON

ID: 7440-44-0

|                                                                          |  |                                                |  |         |                                             |                                           |
|--------------------------------------------------------------------------|--|------------------------------------------------|--|---------|---------------------------------------------|-------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                |  | HAZARD SCREENING DATE: 2023-07-12 11:13:56     |  |         |                                             |                                           |
| %: 0.0270 - 0.0280                                                       |  | GreenScreen: LT-UNK                            |  | RC: UNK | NANO: No                                    | SUBSTANCE ROLE: Tensile strength additive |
| 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 of Problematic Chemicals |                                           |
|                                                                          |  |                                                |  |         | Antimicrobials                              |                                           |
| SUBSTANCE NOTES: Chemical elements of various grades of stainless steel. |  |                                                |  |         |                                             |                                           |

ALUMINUM

%: 60.0000 - 80.0000

RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier

OTHER MATERIAL NOTES: Aluminum can be used to fabricate the door and frame of recessed and semi-recessed cabinets as well as the entire cabinet.

FERUMOXIDES

ID: 119683-68-0

|                                                                                                                                                                   |                      |                                                |          |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|----------|-------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                                         |                      | HAZARD SCREENING DATE: 2023-07-12 11:53:47     |          |                                           |
| %: 0.2230 - 0.2250                                                                                                                                                | GreenScreen: NoGS    | RC: UNK                                        | NANO: No | SUBSTANCE ROLE: Tensile strength additive |
| 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: Ferrum in aluminum helps in the decrease of casting defects, improves tensile, yield, and hardness, and maintains strength at high temperatures. |                      |                                                |          |                                           |

SILICON, ELEMENTAL

ID: 7440-21-3

|                                                                                                                 |                      |                                                |          |                               |
|-----------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                       |                      | HAZARD SCREENING DATE: 2023-07-12 11:51:08     |          |                               |
| %: 0.2160 - 0.2190                                                                                              | 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: Silicon makes the metal alloy more fluid without breaking the metal down at high temperatures. |                      |                                                |          |                               |

MANGANESE

ID: 7439-96-5

|                                                           |                    |                                            |          |                                           |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2023-07-12 12:04:37 |          |                                           |
| %: 0.0660 - 0.0680                                        | GreenScreen: LT-P1 | RC: UNK                                    | NANO: No | SUBSTANCE ROLE: Tensile strength additive |

| HAZARD TYPE                                                                  | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |
|------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                          | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                             |
| MUL                                                                          | German FEA - Substances Hazardous to Waters              | Class 2 - Hazard to Waters                                                                                                                                |
| 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]                   |
| MAM                                                                          | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| AQU                                                                          | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| ADDITIONAL LISTINGS                                                          | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                              | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                                                                              |                                                          | Biological and Environmentally Released Materials                                                                                                         |
| RESTRICTED LIST                                                              | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                                                                              |                                                          | Children's Products                                                                                                                                       |
| SUBSTANCE NOTES: Manganese added to Aluminum increases strength and hardness |                                                          |                                                                                                                                                           |

ZINC, ELEMENTAL

ID: 7440-66-6

|                                                           |                    |                                            |          |                               |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2023-07-12 12:00:25 |          |                               |
| %: 0.0400 - 0.0600                                        | 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 2 - Hazard to Waters                                                                                                                                                     |
| 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] |
| 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]                                                      |
| PHY         | EU - GHS (H-Statements) Annex 6 Table 3-1   | 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                                                                                                                                                   |
| PHY         | GHS - New Zealand                           | Self-heating substances and mixtures category 1                                                                                                                                |
| PHY         | GHS - New Zealand                           | Substances and mixtures which, in contact with water, emit flammable gases category 1                                                                                          |
| 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] |
| 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                                                                                                                      |

| ADDITIONAL LISTINGS                                                   | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                         |
|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                       | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST                                                       | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| SUBSTANCE NOTES: Improve corrosion resistance of the aluminum alloys. |                                                          |                                                                                                                                                      |

CHROMIUM

ID: 7440-47-3

|                                                                                |                                                          |                                                   |                                                                                                                     |                                      |
|--------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>               |                                                          | HAZARD SCREENING DATE: <b>2023-07-12 12:03:06</b> |                                                                                                                     |                                      |
| %: <b>0.0020 - 0.0030</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                                                             |                                      |
| GEN                                                                            | GHS - Japan                                              |                                                   | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                   |                                      |
| REP                                                                            | GHS - New Zealand                                        |                                                   | Reproductive toxicity category 2                                                                                    |                                      |
| 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 (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                      |
|                                                                                |                                                          |                                                   | Biological and Environmentally Released Materials                                                                   |                                      |
| RESTRICTED LIST                                                                | Cradle to Cradle Products Innovation Institute (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                      |
|                                                                                |                                                          |                                                   | Children's Products                                                                                                 |                                      |
| RESTRICTED LIST                                                                | Cradle to Cradle Products Innovation Institute (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                      |
|                                                                                |                                                          |                                                   | Cosmetics & Personal Care Products                                                                                  |                                      |
| SUBSTANCE NOTES: Chromium will reduce stress corrosion and improves toughness. |                                                          |                                                   |                                                                                                                     |                                      |

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Other: GYPSUM BOARD

RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier.

OTHER MATERIAL NOTES: To be used where Type X Gypsum Board is specified in fire-rated assemblies.  
Fire-resistant material will not support combustion or transmit temperatures greatly in excess of 212 F (100 C) until completely calcinated, a slow process.

CALCIUM SULFATE

ID: 7778-18-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-25 14:45:35

%: 70.0000 - 90.0000

GreenScreen: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

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

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

SUBSTANCE NOTES: 70 to 90 percent of sheet drywall, gypsum has long been the mainstay of drywall products. Otherwise known as calcium sulfate.

CALCIUM SULFATE

ID: 7778-18-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-26 9:03:50

%: 70.0000 - 80.0000

GreenScreen: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

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

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

SUBSTANCE NOTES: Calcium sulfate (CaSO4) is the main ingredient in the Gypsum slurry which after dehydration and further refining becomes the gypsum wallboard.

ALUMINATE (AL(OH)41-), (T-4)-

ID: 14485-39-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-26 8:30:18

%: 10.0000 - 30.0000

GreenScreen: NoGS

RC: UNK

NANO: No

SUBSTANCE ROLE: Flame retardant

| 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: Component of the gypsum materials. |                      |                                              |

TALC

ID: 14807-96-6

|                                                                                                     |                          |                                                   |                                                                                                                                                           |                                 |
|-----------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                    |                          | HAZARD SCREENING DATE: <b>2023-07-25 14:49:45</b> |                                                                                                                                                           |                                 |
| %: <b>5.0000 - 15.0000</b>                                                                          | GreenScreen: <b>BM-1</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Adhesive</b> |
| HAZARD TYPE                                                                                         | LIST NAME AND SOURCE     |                                                   | WARNINGS                                                                                                                                                  |                                 |
| CAN                                                                                                 | MAK                      |                                                   | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification                                                              |                                 |
| CAN                                                                                                 | IARC                     |                                                   | Group 2b - Possibly carcinogenic to humans                                                                                                                |                                 |
| MAM                                                                                                 | GHS - Japan              |                                                   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                 |
| MAM                                                                                                 | GHS - Japan              |                                                   | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                                 |
| ADDITIONAL LISTINGS                                                                                 | LIST NAME AND SOURCE     |                                                   | NOTIFICATION                                                                                                                                              |                                 |
| None found                                                                                          |                          |                                                   | No listings found on Additional Hazard Lists                                                                                                              |                                 |
| SUBSTANCE NOTES: Between 5 percent and 15 percent of joint compound, by volume, is made up of talc. |                          |                                                   |                                                                                                                                                           |                                 |

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                    |                            | HAZARD SCREENING DATE: <b>2023-07-25 14:47:50</b> |                 |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|-----------------|-------------------------------|
| %: <b>8.0000 - 10.0000</b>                                                                                                                          | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Binder</b> |
| HAZARD TYPE                                                                                                                                         | LIST NAME AND SOURCE       | WARNINGS                                          |                 |                               |
| None found                                                                                                                                          |                            | No warnings found on HPD Priority Hazard Lists    |                 |                               |
| ADDITIONAL LISTINGS                                                                                                                                 | LIST NAME AND SOURCE       | NOTIFICATION                                      |                 |                               |
| None found                                                                                                                                          |                            | No listings found on Additional Hazard Lists      |                 |                               |
| SUBSTANCE NOTES: Up to 10 percent of drywall's composition is comprised of cellulose, found in the paper facing on both sides of the drywall panel. |                            |                                                   |                 |                               |

PARAFFIN

ID: 8002-74-2

|                                                                  |                            |                                                  |                 |                               |
|------------------------------------------------------------------|----------------------------|--------------------------------------------------|-----------------|-------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                            | HAZARD SCREENING DATE: <b>2023-07-26 8:34:01</b> |                 |                               |
| %: <b>4.7000 - 5.0000</b>                                        | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b>                                   | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Binder</b> |

| HAZARD TYPE                                                                                                           | LIST NAME AND SOURCE | WARNINGS                                       |
|-----------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------|
| None found                                                                                                            |                      | No warnings found on HPD Priority Hazard Lists |
| ADDITIONAL LISTINGS                                                                                                   | LIST NAME AND SOURCE | NOTIFICATION                                   |
| None found                                                                                                            |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: The paraffin wax provides these materials with protection from corrosion, shedding, or other damage. |                      |                                                |

CALCIUM CARBONATE (PRIMARY CASRN IS 471-34-1)

ID: 1641572-50-0

|                                                                                                |                          |                                                   |                                              |                                            |
|------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------|----------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                               |                          | HAZARD SCREENING DATE: <b>2023-07-25 14:51:27</b> |                                              |                                            |
| %: <b>2.0000 - 5.0000</b>                                                                      | GreenScreen: <b>BM-3</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b>                              | SUBSTANCE ROLE: <b>Structure component</b> |
| HAZARD TYPE                                                                                    | LIST NAME AND SOURCE     |                                                   | WARNINGS                                     |                                            |
| EYE                                                                                            | GHS - New Zealand        |                                                   | Eye irritation category 2                    |                                            |
| ADDITIONAL LISTINGS                                                                            | LIST NAME AND SOURCE     |                                                   | NOTIFICATION                                 |                                            |
| None found                                                                                     |                          |                                                   | No listings found on Additional Hazard Lists |                                            |
| SUBSTANCE NOTES: Otherwise known as ground limestone, this is the main mineral in drywall mud. |                          |                                                   |                                              |                                            |

|                                                                                                |  |                                                   |                      |
|------------------------------------------------------------------------------------------------|--|---------------------------------------------------|----------------------|
| BRASS SHEET C26000                                                                             |  | %: 25.0000 - 28.0000                              |                      |
| PRODUCT THRESHOLD: 1000 ppm                                                                    |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Information not provided by the suppliers.                     |  |                                                   |                      |
| OTHER MATERIAL NOTES: Cabinet doors and frames are made of brass sheet C26000 for some models. |  |                                                   |                      |

COPPER

ID: 7440-50-8

|                                                           |                    |                                            |          |                               |
|-----------------------------------------------------------|--------------------|--------------------------------------------|----------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    | HAZARD SCREENING DATE: 2023-08-02 11:07:47 |          |                               |
| %: 69.3000 - 69.5000                                      | GreenScreen: LT-P1 | RC: UNK                                    | NANO: No | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 2 - 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]                                 |
| GEN                 | GHS - New Zealand                                        | Germ cell mutagenicity category 1                                                                                                                    |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                            |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                     |
| SKI                 | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                                        |
| MAM                 | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                                                 |
| MAM                 | GHS - New Zealand                                        | Acute oral toxicity category 2                                                                                                                       |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - acute category 1                                                                                              |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 2                                                                                            |
| AQU                 | GHS - Australia                                          | 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     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                           |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: Copper makes brass malleable, ductile, corrosion-resistant, and easy to shape and form.

ZINC, ELEMENTAL

ID: 7440-66-6

|                                                                  |                           |                                                   |                 |                                      |
|------------------------------------------------------------------|---------------------------|---------------------------------------------------|-----------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                           | HAZARD SCREENING DATE: <b>2023-08-02 11:15:35</b> |                 |                                      |
| %: <b>30.0000 - 30.2000</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                                                                                                                                                  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters                                                                                                                                                     |
| 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] |
| 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]                                                      |
| PHY         | EU - GHS (H-Statements) Annex 6 Table 3-1   | 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                                                                                                                                                   |
| PHY         | GHS - New Zealand                           | Self-heating substances and mixtures category 1                                                                                                                                |
| PHY         | GHS - New Zealand                           | Substances and mixtures which, in contact with water, emit flammable gases category 1                                                                                          |
| 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] |
| 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                                                                                                                      |

| ADDITIONAL LISTINGS                                                                                                              | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                  | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST                                                                                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| SUBSTANCE NOTES: Brass has good resistance to corrosion, while the added zinc lends this metal increased strength and ductility. |                                                          |                                                                                                                                                      |

## IRON, ELEMENTAL

ID: 7439-89-6

|                                                                                                                                      |                                       |                                            |                                              |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|----------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                            |                                       | HAZARD SCREENING DATE: 2023-08-02 11:12:33 |                                              |                               |
| %: 0.0160 - 0.0200                                                                                                                   | 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                |                               |
| ADDITIONAL LISTINGS                                                                                                                  | LIST NAME AND SOURCE                  |                                            | NOTIFICATION                                 |                               |
| None found                                                                                                                           |                                       |                                            | No listings found on Additional Hazard Lists |                               |
| SUBSTANCE NOTES: The main benefit of adding iron to copper alloys is to provide increased tensile strength and corrosion resistance. |                                       |                                            |                                              |                               |

## LEAD

ID: 7439-92-1

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                  | HAZARD SCREENING DATE: 2023-08-02 11:10:11                 |          |                               |
|-----------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|----------|-------------------------------|
| #: 0.0030 - 0.0031                                        | GreenScreen: BM-1                                | RC: UNK                                                    | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                             | WARNINGS                                                   |          |                               |
| END                                                       | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor                              |          |                               |
| PBT                                                       | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action                         |          |                               |
| PBT                                                       | OR DEQ - Priority Persistent Pollutants          | Priority Persistent Pollutant - Tier 1                     |          |                               |
| MUL                                                       | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant       |          |                               |
| CAN                                                       | CA EPA - Prop 65                                 | Carcinogen                                                 |          |                               |
| CAN                                                       | IARC                                             | Group 2b - Possibly carcinogenic to humans                 |          |                               |
| CAN                                                       | MAK                                              | Carcinogen Group 2 - Considered to be carcinogenic for man |          |                               |
| CAN                                                       | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen              |          |                               |

|     |                                                  |                                                                                                                                                           |
|-----|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEV | G&L - Neurotoxic Chemicals                       | Developmental Neurotoxicant                                                                                                                               |
| CAN | US EPA - IRIS Carcinogens                        | (1986) Group B2 - Probable human Carcinogen                                                                                                               |
| CAN | IARC                                             | Group 2a - Agent is probably Carcinogenic to humans                                                                                                       |
| DEV | CA EPA - Prop 65                                 | Developmental toxicity                                                                                                                                    |
| PBT | US EPA - Priority PBTs (NWMP)                    | Priority PBT                                                                                                                                              |
| PBT | US EPA - Toxics Release Inventory PBTs           | PBT                                                                                                                                                       |
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity                                                                                                |
| REP | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity                                                                                                 |
| REP | EU - Annex VI CMRs                               | Reproductive Toxicity - Category 1A                                                                                                                       |
| GEN | MAK                                              | Germ Cell Mutagen 3a                                                                                                                                      |
| REP | CA EPA - Prop 65                                 | Reproductive Toxicity - Female                                                                                                                            |
| REP | CA EPA - Prop 65                                 | Reproductive Toxicity - Male                                                                                                                              |
| CAN | GHS - Korea                                      | H350 - May cause cancer [Carcinogenicity - Category 1]                                                                                                    |
| REP | GHS - Korea                                      | H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1]                                                                      |
| REP | GHS - Japan                                      | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]                                                                     |
| DEV | GHS - Australia                                  | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B]                                         |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1        | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B]                                                    |
| 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]                                 |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1        | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation]                                                         |
| REP | GHS - New Zealand                                | Reproductive toxicity 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] |
| GEN | GHS - Australia                                  | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| GEN | GHS - Japan                                      | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                                                         |
| MAM | GHS - New Zealand                                | Specific target organ toxicity - repeated exposure category 1                                                                                             |

|     |                            |                                                                                                                           |
|-----|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| AQU | GHS - New Zealand          | Hazardous to the aquatic environment - acute 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] |
| GEN | GHS - New Zealand          | Germ cell mutagenicity category 2                                                                                         |
| MAM | GHS - New Zealand          | Acute oral toxicity category 3                                                                                            |
| REP | GHS - New Zealand          | Effects on or via lactation                                                                                               |
| CAN | GHS - Australia            | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                         |
| REP | EU - SVHC List             | Toxic to reproduction - Candidate list                                                                                    |
| REP | EU - REACH Annex XVII CMRs | Reproductive toxicants: Category 1A                                                                                       |

| ADDITIONAL LISTINGS                                                                                                                                                                                       | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                                                                                           | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                                                 |
| RESTRICTED LIST                                                                                                                                                                                           | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Certain Metals                                                                                                          |
| RESTRICTED LIST                                                                                                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Core Restrictions                                                       |
| RESTRICTED LIST                                                                                                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPPII) | C2C Certified v4 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 (C2CPPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                                                     |
| RESTRICTED LIST                                                                                                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Formulated Consumer Products                                            |
| RESTRICTED LIST                                                                                                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CPPII) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Footwear, Apparel & Jewelry Products                                    |
| RESTRICTED LIST                                                                                                                                                                                           | International Living Future Institute (ILFI)             | Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2023<br><br>Red List substances to avoid in Living Building Challenge V4.0 projects |
| SUBSTANCE NOTES: Lead increases the machinability of brass as well as increasing its strength and resistance to corrosion. The addition of lead also seals shrinkage pores to provide pressure tightness. |                                                          |                                                                                                                                                                            |

|                                                                                             |                                                   |                      |
|---------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|
| ACRYLIC SHEET                                                                               | %: 2.0000 - 3.0000                                |                      |
| PRODUCT THRESHOLD: 1000 ppm                                                                 | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Glass |
| RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier.                   |                                                   |                      |
| OTHER MATERIAL NOTES: An acrylic sheet is used for the cabinet of various sizes of glasses. |                                                   |                      |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-26 9:22:58

%: 98.0000 - 99.0000

GreenScreen: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

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

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE | NOTIFICATION                                               |
|---------------------|----------------------|------------------------------------------------------------|
| RESTRICTED LIST     | Perkins+Will (P+W)   | P&W - Precautionary List                                   |
|                     |                      | Precautionary list of substances recommended for avoidance |

SUBSTANCE NOTES: Polymethyl methacrylate (PMMA) is also known as acrylic, acrylic glass. PMMA is part of a group of materials called engineering plastics. Acrylic is a lighter, versatile material, which means it is easier to install than other options for windows, such as glass. Additionally, PMMA does not break easily, and even if a plexiglass window does fracture, it creates dull-edged pieces instead of sharp glass splinters, which is safer.

POWDER COAT

%: 0.0100 - 1.5000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Aspiration hazard: No data available.

OTHER MATERIAL NOTES: Industrial Powder Coating.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-26 10:48:22

%: 20.0000 - 25.0000

GreenScreen: LT-1

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen                                                                                                                                   |
| CAN         | CA EPA - Prop 65                          | Carcinogen - specific to chemical form or exposure route                                                                                                  |
| CAN         | IARC                                      | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources                                                                            |
| CAN         | MAK                                       | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value                                                      |
| END         | TEDX - Potential Endocrine Disruptors     | Potential Endocrine Disruptor                                                                                                                             |
| CAN         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                                                          |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM         | GHS - Japan                               | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                |
|---------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                          | Formulated Consumer Products                                                                |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                     |                                                          | Cosmetics & Personal Care Products                                                          |
| POSITIVE LIST       | US Environmental Protection Agency (US EPA)              | US EPA - DfE Safer Chemicals Ingredients list (SCIL)                                        |
|                     |                                                          | Colorants - Green Circle (Verified Low Concern)                                             |

**SUBSTANCE NOTES:** Titanium dioxide (TiO2) is the most important white pigment used in the coatings industry. It is widely used because it efficiently scatters visible light, thereby imparting whiteness, brightness, and opacity when incorporated into a coating.

## TRIGLYCIDYL ISOCYANURATE

ID: **2451-62-9**

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-07-26 11:05:27</b>    |                 |                                              |
|------------------------------------------------------------------|--------------------------|------------------------------------------------------|-----------------|----------------------------------------------|
| %: <b>1.0000 - 5.0000</b>                                        | GreenScreen: <b>LT-1</b> | RC: <b>UNK</b>                                       | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Heat or UV stabilizer</b> |
| HAZARD TYPE                                                      | LIST NAME AND SOURCE     | WARNINGS                                             |                 |                                              |
| MUL                                                              | ChemSec - SIN List       | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |                 |                                              |

|     |                                             |                                                                                                                                                           |
|-----|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                                                                                                                         |
| RES | MAK                                         | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| GEN | EU - Annex VI CMRs                          | Mutagen - Category 1B                                                                                                                                     |
| GEN | GHS - Japan                                 | H340 - May cause genetic defects [Germ cell mutagenicity - Category 1B]                                                                                   |
| GEN | GHS - Korea                                 | H340 - May cause genetic defects [Germ cell mutagenicity - Category 1]                                                                                    |
| GEN | EU - GHS (H-Statements) Annex 6 Table 3-1   | H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]                                                                             |
| 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]                                                                                            |
| EYE | EU - GHS (H-Statements) Annex 6 Table 3-1   | H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]                                                                         |
| GEN | GHS - New Zealand                           | Germ cell mutagenicity 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] |
| 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                                                                                                                             |
| MAM | GHS - New Zealand                           | Acute inhalation toxicity category 3                                                                                                                      |
| SKI | GHS - Japan                                 | H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]                                                                                  |
| AQU | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| SKI | GHS - New Zealand                           | Skin sensitisation category 1                                                                                                                             |
| REP | GHS - Japan                                 | H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]                                                           |
| MAM | GHS - Korea                                 | H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]                                                                                            |
| MAM | GHS - New Zealand                           | Acute oral toxicity category 3                                                                                                                            |
| EYE | GHS - Japan                                 | H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]                                                                  |
| MAM | GHS - Japan                                 | H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]                                                                                            |
| MAM | GHS - Korea                                 | H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]                                                                                        |
| MAM | GHS - Japan                                 | H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| EYE                                                                                                                                                                                                                                                                                                                                                                                                                                       | GHS - Korea                                              | H318 - Causes serious eye damage [Serious eye damage/irritation - Category 1]               |
| GEN                                                                                                                                                                                                                                                                                                                                                                                                                                       | EU - SVHC List                                           | Mutagenic - Candidate list                                                                  |
| GEN                                                                                                                                                                                                                                                                                                                                                                                                                                       | EU - REACH Annex XVII CMRs                               | Germ cell mutagens: Category 1B                                                             |
| ADDITIONAL LISTINGS                                                                                                                                                                                                                                                                                                                                                                                                                       | LIST NAME AND SOURCE                                     | NOTIFICATION                                                                                |
| RESTRICTED LIST                                                                                                                                                                                                                                                                                                                                                                                                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Formulated Consumer Products                                                                |
| SUBSTANCE NOTES: Triglycidyl isocyanurate (TGIC) is an epoxy compound often used as a hardener. The main use of TGIC is in the manufacture of polyester powder coatings (paints) for metal finishing. It is mainly used for hardening polyester powder paints, which, thanks to TGIC, are characterized by very good functional properties, such as mechanical and chemical resistance, resistance to UV radiation, and maintaining gloss |                                                          |                                                                                             |

ALUMINUM OXIDE

ID: 1344-28-1

|                                                                                                                                                 |                                                          |                                                                                             |                                                                                                                                                           |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                |                                                          | HAZARD SCREENING DATE: <b>2023-07-26 11:07:09</b>                                           |                                                                                                                                                           |                                 |
| %: <b>0.8000 - 1.0000</b>                                                                                                                       | GreenScreen: <b>BM-2</b>                                 | RC: <b>UNK</b>                                                                              | NANO: <b>No</b>                                                                                                                                           | SUBSTANCE ROLE: <b>Abrasive</b> |
| HAZARD TYPE                                                                                                                                     | LIST NAME AND SOURCE                                     |                                                                                             | WARNINGS                                                                                                                                                  |                                 |
| MAM                                                                                                                                             | GHS - Japan                                              |                                                                                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                                 |
| ADDITIONAL LISTINGS                                                                                                                             | LIST NAME AND SOURCE                                     |                                                                                             | NOTIFICATION                                                                                                                                              |                                 |
| RESTRICTED LIST                                                                                                                                 | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                                                                                                                           |                                 |
|                                                                                                                                                 |                                                          | Biological and Environmentally Released Materials                                           |                                                                                                                                                           |                                 |
| RESTRICTED LIST                                                                                                                                 | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 |                                                                                                                                                           |                                 |
|                                                                                                                                                 |                                                          | Children's Products                                                                         |                                                                                                                                                           |                                 |
| SUBSTANCE NOTES: Used in powder coating processing for better flowability of the solid particles and thus to avoid spitting during application. |                                                          |                                                                                             |                                                                                                                                                           |                                 |

STEEL PIANO HINGE

%: 0.3500 - 1.0000

|                                                                                        |                                                   |                      |
|----------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                            | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Information not provided by material suppliers.        |                                                   |                      |
| OTHER MATERIAL NOTES: Continuous steel piano hinges are used at various cabinet doors. |                                                   |                      |

IRON, ELEMENTAL

ID: 7439-89-6

|                                                           |                                            |
|-----------------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2023-07-26 11:34:12 |
|-----------------------------------------------------------|--------------------------------------------|

|                                                                 |                                       |                                              |          |                                     |
|-----------------------------------------------------------------|---------------------------------------|----------------------------------------------|----------|-------------------------------------|
| %: 94.0000 - 98.0000                                            | GreenScreen: LT-P1                    | RC: UNK                                      | NANO: No | SUBSTANCE ROLE: Structure component |
| 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: The main component of various grades of steel. |                                       |                                              |          |                                     |

ALUMINUM

ID: 7429-90-5

|                                                           |                                                          |                                                                                                                                                           |          |                             |
|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                          | HAZARD SCREENING DATE: 2023-07-26 11:36:57                                                                                                                |          |                             |
| %: 0.0280 - 0.3000                                        | GreenScreen: BM-1                                        | RC: UNK                                                                                                                                                   | NANO: No | SUBSTANCE ROLE: Antioxidant |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                                  |          |                             |
| END                                                       | TEDX - Potential Endocrine Disruptors                    | Potential Endocrine Disruptor                                                                                                                             |          |                             |
| 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                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |          |                             |
| PHY                                                       | GHS - New Zealand                                        | Flammable solids 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 (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |          |                             |
|                                                           |                                                          | Biological and Environmentally Released Materials                                                                                                         |          |                             |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |          |                             |
|                                                           |                                                          | Children's Products                                                                                                                                       |          |                             |

|                                                                                                                                                        |                                                          |                                            |                                                                                                                                                           |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                                              |                                                          | HAZARD SCREENING DATE: 2023-07-26 11:38:22 |                                                                                                                                                           |                               |
| %: 0.1500 - 0.2500                                                                                                                                     | 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 2 - 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]                   |                               |
| MAM                                                                                                                                                    | GHS - Japan                                              |                                            | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |                               |
| AQU                                                                                                                                                    | GHS - New Zealand                                        |                                            | Hazardous to the aquatic environment - chronic category 3                                                                                                 |                               |
| ADDITIONAL LISTINGS                                                                                                                                    | LIST NAME AND SOURCE                                     |                                            | NOTIFICATION                                                                                                                                              |                               |
| RESTRICTED LIST                                                                                                                                        | Cradle to Cradle Products Innovation Institute (C2CP II) |                                            | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                               |
|                                                                                                                                                        |                                                          |                                            | Biological and Environmentally Released Materials                                                                                                         |                               |
| RESTRICTED LIST                                                                                                                                        | Cradle to Cradle Products Innovation Institute (C2CP II) |                                            | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                               |
|                                                                                                                                                        |                                                          |                                            | Children's Products                                                                                                                                       |                               |
| SUBSTANCE NOTES: It is an essential alloy that helps convert iron into steel. As an alloy, it decreases the brittleness of steel and imparts strength. |                                                          |                                            |                                                                                                                                                           |                               |

|                                                           |                    |         |                                            |                             |
|-----------------------------------------------------------|--------------------|---------|--------------------------------------------|-----------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |         | HAZARD SCREENING DATE: 2023-07-26 11:40:11 |                             |
| %: 0.0780 - 0.0910                                        | GreenScreen: LT-P1 | RC: UNK | NANO: No                                   | SUBSTANCE ROLE: Antioxidant |

| HAZARD TYPE         | LIST NAME AND SOURCE                                     | WARNINGS                                                                                                                                             |
|---------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters              | Class 2 - 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]                                 |
| GEN                 | GHS - New Zealand                                        | Germ cell mutagenicity category 1                                                                                                                    |
| EYE                 | GHS - New Zealand                                        | Eye irritation category 2                                                                                                                            |
| MAM                 | GHS - Japan                                              | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                     |
| SKI                 | GHS - New Zealand                                        | Skin sensitisation category 1                                                                                                                        |
| MAM                 | GHS - New Zealand                                        | Acute inhalation toxicity category 2                                                                                                                 |
| MAM                 | GHS - New Zealand                                        | Acute oral toxicity category 2                                                                                                                       |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - acute category 1                                                                                              |
| AQU                 | GHS - New Zealand                                        | Hazardous to the aquatic environment - chronic category 2                                                                                            |
| AQU                 | GHS - Australia                                          | 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     | Perkins+Will (P+W)                                       | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                           |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                    | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |

SUBSTANCE NOTES: Copper enhances the chemical properties of steel by increasing its corrosion resistance.

|                                                           |                   |                                            |          |
|-----------------------------------------------------------|-------------------|--------------------------------------------|----------|
| NICKEL                                                    |                   | ID: 21595-53-9                             |          |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   | HAZARD SCREENING DATE: 2023-07-26 11:41:40 |          |
| %: 0.0350 - 0.0450                                        | 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                                   |
| None found                                                                                                                                                                       |                      | No listings found on Additional Hazard Lists   |
| SUBSTANCE NOTES: Nickel improves the resistance against corrosion and oxidation at elevated temperatures. Nickel improves the toughness and strength by refining the grain size. |                      |                                                |

CARBON

ID: 7440-44-0

|                                                                                                                                                                       |                                       |                                                   |                                                |                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                                                      |                                       | HAZARD SCREENING DATE: <b>2023-07-26 11:42:54</b> |                                                |                                                  |
| %: <b>0.0025 - 0.0350</b>                                                                                                                                             | GreenScreen: <b>LT-UNK</b>            | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Tensile strength additive</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                                   |                                                  |
| RESTRICTED LIST                                                                                                                                                       | Green Science Policy Institute (GSPI) |                                                   | GSPI - Six Classes of Problematic Chemicals    |                                                  |
|                                                                                                                                                                       |                                       |                                                   | Antimicrobials                                 |                                                  |
| SUBSTANCE NOTES: Increasing carbon content increases hardness and strength and improves hardenability. But carbon also increases brittleness and reduces weldability. |                                       |                                                   |                                                |                                                  |

PHOSPHORUS

ID: 7723-14-0

|                                                                  |                          |                                                   |                 |                                            |
|------------------------------------------------------------------|--------------------------|---------------------------------------------------|-----------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                          | HAZARD SCREENING DATE: <b>2023-07-26 11:44:19</b> |                 |                                            |
| %: <b>0.0100 - 0.0120</b>                                        | GreenScreen: <b>BM-2</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b> | SUBSTANCE ROLE: <b>Corrosion inhibitor</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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Cosmetics & Personal Care Products |
| SUBSTANCE NOTES: Phosphorus improves machining characteristics and atmospheric corrosion resistance. |                                                         |                                                                                                                                       |

|                                                                               |  |                                                   |                      |
|-------------------------------------------------------------------------------|--|---------------------------------------------------|----------------------|
| HARDWARE/HINGES STAINLES STEEL                                                |  | %: 0.6000 - 1.0000                                |                      |
| PRODUCT THRESHOLD: 1000 ppm                                                   |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Information not provided by the manufacturer. |  |                                                   |                      |
| OTHER MATERIAL NOTES: Stainless Steel Hinge - 304 SS                          |  |                                                   |                      |

|                                                           |                                       |         |                                              |                                     |  |
|-----------------------------------------------------------|---------------------------------------|---------|----------------------------------------------|-------------------------------------|--|
| IRON, ELEMENTAL                                           |                                       |         |                                              | ID: 7439-89-6                       |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                       |         | HAZARD SCREENING DATE: 2023-07-26 11:48:08   |                                     |  |
| %: 75.0000 - 85.0000                                      | GreenScreen: LT-P1                    | RC: UNK | NANO: No                                     | SUBSTANCE ROLE: Structure component |  |
| 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: The main component is stainless steel grades.

CHROMIUM

ID: 7440-47-3

|                                                                  |                                                          |                                                   |                                                                                                                     |                                            |
|------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                                          | HAZARD SCREENING DATE: <b>2023-07-26 11:49:19</b> |                                                                                                                     |                                            |
| %: <b>12.0000 - 17.0000</b>                                      | GreenScreen: <b>LT-P1</b>                                | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                                                                                     | SUBSTANCE ROLE: <b>Corrosion inhibitor</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                                                             |                                            |
| GEN                                                              | GHS - Japan                                              |                                                   | H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]                                   |                                            |
| REP                                                              | GHS - New Zealand                                        |                                                   | Reproductive toxicity category 2                                                                                    |                                            |
| 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 (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                            |
|                                                                  |                                                          |                                                   | Biological and Environmentally Released Materials                                                                   |                                            |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                            |
|                                                                  |                                                          |                                                   | Children's Products                                                                                                 |                                            |
| RESTRICTED LIST                                                  | Cradle to Cradle Products Innovation Institute (C2CP II) |                                                   | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                         |                                            |
|                                                                  |                                                          |                                                   | Cosmetics & Personal Care Products                                                                                  |                                            |

SUBSTANCE NOTES: Hardens and toughens steel and increases its resistance to corrosion, especially at high temperatures.

MANGANESE

ID: 7439-96-5

|                                                           |                    |         |                                            |                                           |  |
|-----------------------------------------------------------|--------------------|---------|--------------------------------------------|-------------------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |         | HAZARD SCREENING DATE: 2023-07-26 11:50:34 |                                           |  |
| %: 0.3000 - 1.3000                                        | GreenScreen: LT-P1 | RC: UNK | NANO: No                                   | SUBSTANCE ROLE: Tensile strength additive |  |

| HAZARD TYPE                                                                                                                         | LIST NAME AND SOURCE                                   | WARNINGS                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| END                                                                                                                                 | TEDX - Potential Endocrine Disruptors                  | Potential Endocrine Disruptor                                                                                                                             |
| MUL                                                                                                                                 | German FEA - Substances Hazardous to Waters            | Class 2 - Hazard to Waters                                                                                                                                |
| 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]                   |
| MAM                                                                                                                                 | GHS - Japan                                            | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| AQU                                                                                                                                 | GHS - New Zealand                                      | Hazardous to the aquatic environment - chronic category 3                                                                                                 |
| ADDITIONAL LISTINGS                                                                                                                 | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                              |
| RESTRICTED LIST                                                                                                                     | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |
|                                                                                                                                     |                                                        | Children's Products                                                                                                                                       |
| SUBSTANCE NOTES: Manganese is added to steel to improve hot working properties and increase strength, toughness, and hardenability. |                                                        |                                                                                                                                                           |

SILICON, ELEMENTAL

ID: 7440-21-3

|                                                                                                                                           |                            |                                                   |                                                |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------|------------------------------------------------|------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                          |                            | HAZARD SCREENING DATE: <b>2023-07-26 11:51:35</b> |                                                |                                    |
| %: <b>0.2300 - 0.3500</b>                                                                                                                 | GreenScreen: <b>LT-UNK</b> | RC: <b>UNK</b>                                    | NANO: <b>No</b>                                | SUBSTANCE ROLE: <b>Antioxidant</b> |
| HAZARD TYPE                                                                                                                               | LIST NAME AND SOURCE       |                                                   | WARNINGS                                       |                                    |
| None found                                                                                                                                |                            |                                                   | No warnings found on HPD Priority Hazard Lists |                                    |
| ADDITIONAL LISTINGS                                                                                                                       | LIST NAME AND SOURCE       |                                                   | NOTIFICATION                                   |                                    |
| None found                                                                                                                                |                            |                                                   | No listings found on Additional Hazard Lists   |                                    |
| SUBSTANCE NOTES: improve corrosion resistance to sulfuric acid. Silicon also improves oxidation resistance and is a “ferrite” stabilizer. |                            |                                                   |                                                |                                    |

ALUMINUM HINGE

#: 0.2000 - 0.3000

RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier

OTHER MATERIAL NOTES: Aluminum is one of the most commonly used construction materials. It is light, durable, and resistant to rust, making it the ideal choice for window frames and door hinges.

ALUMINUM

ID: 7429-90-5

|                                                           |                                                          |                                                                                                                                                           |                               |                                     |
|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                                          | HAZARD SCREENING DATE: 2023-08-02 13:08:45                                                                                                                |                               |                                     |
| %: 99.0000 - 99.9000                                      | GreenScreen: BM-1                                        | RC: UNK                                                                                                                                                   | NANO: No                      | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                               | LIST NAME AND SOURCE                                     |                                                                                                                                                           | WARNINGS                      |                                     |
| END                                                       | TEDX - Potential Endocrine Disruptors                    |                                                                                                                                                           | Potential Endocrine Disruptor |                                     |
| 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                                              | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                               |                                     |
| PHY                                                       | GHS - New Zealand                                        | Flammable solids 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 (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                               |                                     |
|                                                           |                                                          | Biological and Environmentally Released Materials                                                                                                         |                               |                                     |
| RESTRICTED LIST                                           | Cradle to Cradle Products Innovation Institute (C2CP II) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |                               |                                     |
|                                                           |                                                          | Children's Products                                                                                                                                       |                               |                                     |

SUBSTANCE NOTES: The main component in aluminum sheet alloy.

RECESSED PULL DOOR HANDLE      %: 0.1000 - 0.1250

RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier.

OTHER MATERIAL NOTES: Recessed pull door handle for cabinets doors

ABS RESIN

ID: 9003-56-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-02 13:11:01

%: 99.8000 - 100.0000

GreenScreen: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Acrylonitrile Butadiene Styrene, or ABS plastic, is an opaque thermoplastic. It is an amorphous polymer comprised of three monomers, acrylonitrile, butadiene, and styrene.

DOOR LOCK

%: 0.0200 - 0.0500

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Information not provided by the material supplier.

OTHER MATERIAL NOTES: Optional cabinets may have a door lock.

ZINC, ELEMENTAL

ID: 7440-66-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-07-28 14:16:19

%: 5.0000 - 6.0000

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 2 - Hazard to Waters                                                                                                                                                     |
| 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] |
| 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]                                                      |
| PHY         | EU - GHS (H-Statements) Annex 6 Table 3-1   | 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                                                                                                                                                   |
| PHY         | GHS - New Zealand                           | Self-heating substances and mixtures category 1                                                                                                                                |
| PHY         | GHS - New Zealand                           | Substances and mixtures which, in contact with water, emit flammable gases category 1                                                                                          |
| 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] |
| 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                                                                                                                      |

| ADDITIONAL LISTINGS                                                                                                                                                                     | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                                                                                                                         | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes of Problematic Chemicals<br><br>Antimicrobials                                                                                    |
| RESTRICTED LIST                                                                                                                                                                         | Cradle to Cradle Products Innovation Institute (C2CPPI) | C2C Certified v4 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 (C2CPPI) | C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| SUBSTANCE NOTES: Zinc alloy has a low melting point, good fluidity, easy plastic processing, corrosion resistance in the atmosphere, and easy recycling and remelting of residual waste |                                                         |                                                                                                                                                      |

IRON, ELEMENTAL

ID: 7439-89-6

|                                                                      |                                       |                                              |                               |                                     |
|----------------------------------------------------------------------|---------------------------------------|----------------------------------------------|-------------------------------|-------------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library            |                                       | HAZARD SCREENING DATE: 2023-07-17 15:36:09   |                               |                                     |
| %: 0.1000 - 0.2000                                                   | GreenScreen: LT-P1                    | RC: UNK                                      | NANO: No                      | SUBSTANCE ROLE: Structure component |
| 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: Iron is a main component in the door lock assembly. |                                       |                                              |                               |                                     |

ROLLER CATCH

%: 0.0100 - 0.0500

|                                                                                                                                                                                                                                                                                                                                                  |                                                   |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------|
| PRODUCT THRESHOLD: 1000 ppm                                                                                                                                                                                                                                                                                                                      | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No | MATERIAL TYPE: Polymeric Material |
| RESIDUALS AND IMPURITIES NOTES: Info not provided by the supplier.                                                                                                                                                                                                                                                                               |                                                   |                                   |
| OTHER MATERIAL NOTES: A roller catch is a simple and effective device used for securing interior doors It consists of a small ball-bearing roller that is mounted in a cup on the door and a strike plate that is mounted on the door jamb. When the door is closed, the roller rolls into the strike plate, holding the door securely in place. |                                                   |                                   |

|                                                            |                      |                   |                                                |                |                                     |
|------------------------------------------------------------|----------------------|-------------------|------------------------------------------------|----------------|-------------------------------------|
| AISI 10B21 STEEL                                           |                      |                   |                                                | ID: 12597-69-2 |                                     |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library  |                      |                   | HAZARD SCREENING DATE: 2023-07-24 15:35:49     |                |                                     |
| %: 99.0000 - 99.5000                                       |                      | GreenScreen: NoGS | RC: UNK                                        | NANO: No       | SUBSTANCE ROLE: Structure component |
| HAZARD TYPE                                                | LIST NAME AND SOURCE |                   | WARNINGS                                       |                |                                     |
| None found                                                 |                      |                   | No warnings found on HPD Priority Hazard Lists |                |                                     |
| ADDITIONAL LISTINGS                                        | LIST NAME AND SOURCE |                   | NOTIFICATION                                   |                |                                     |
| None found                                                 |                      |                   | No listings found on Additional Hazard Lists   |                |                                     |
| SUBSTANCE NOTES: Information not provided by the supplier. |                      |                   |                                                |                |                                     |

|                                                                                                                       |                      |  |                                                |                |                                 |
|-----------------------------------------------------------------------------------------------------------------------|----------------------|--|------------------------------------------------|----------------|---------------------------------|
| NYLON 6 (WITH STAIN RESISTANCE)                                                                                       |                      |  |                                                | ID: 25038-54-4 |                                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                             |                      |  | HAZARD SCREENING DATE: 2023-07-28 15:50:38     |                |                                 |
| %: 0.0100 - 0.0600                                                                                                    | GreenScreen: LT-UNK  |  | RC: UNK                                        | NANO: No       | SUBSTANCE ROLE: Polymer species |
| 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: When the door is closed, the roller rolls into the strike plate, holding the door securely in place. |                      |  |                                                |                |                                 |

|                                                                                         |                                                   |                    |                      |
|-----------------------------------------------------------------------------------------|---------------------------------------------------|--------------------|----------------------|
| BREAK RITE HANDLE                                                                       |                                                   | %: 0.0200 - 0.0250 |                      |
| PRODUCT THRESHOLD: 1000 ppm                                                             | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No |                    | MATERIAL TYPE: Metal |
| RESIDUALS AND IMPURITIES NOTES: Information not provided by the supplier.               |                                                   |                    |                      |
| OTHER MATERIAL NOTES: Cold Rolled Steel handle used to break glass in case of emergency |                                                   |                    |                      |

|                                                                                  |                                       |         |                                              |                                     |               |
|----------------------------------------------------------------------------------|---------------------------------------|---------|----------------------------------------------|-------------------------------------|---------------|
| IRON, ELEMENTAL                                                                  |                                       |         |                                              |                                     | ID: 7439-89-6 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                        |                                       |         | HAZARD SCREENING DATE: 2023-08-02 11:39:03   |                                     |               |
| %: 99.0000 - 99.2000                                                             | GreenScreen: LT-P1                    | RC: UNK | NANO: No                                     | SUBSTANCE ROLE: Structure component |               |
| 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: Iron is the main component in cold-rolled steel for the handle. |                                       |         |                                              |                                     |               |

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-02 11:41:24

|                     |                                                         |                                                                                                                                                           |          |                               |
|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| %: 0.1800 - 0.1910  | 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 2 - 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]                   |          |                               |
| MAM                 | GHS - Japan                                             | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |          |                               |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 3                                                                                                 |          |                               |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION                                                                                                                                              |          |                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPiI) | C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022                                                               |          |                               |
|                     |                                                         | Children's Products                                                                                                                                       |          |                               |

SUBSTANCE NOTES: Manganese contributes to strength and hardness but to a lesser degree than carbon

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-02 11:45:11

|                     |                                       |                                                |          |                                           |
|---------------------|---------------------------------------|------------------------------------------------|----------|-------------------------------------------|
| %: 0.0600 - 0.0610  | GreenScreen: LT-UNK                   | RC: UNK                                        | NANO: No | SUBSTANCE ROLE: Tensile strength additive |
| 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 of Problematic Chemicals    |          |                                           |
|                     |                                       | Antimicrobials                                 |          |                                           |

SUBSTANCE NOTES: Carbon increases its strength, hardness, and ductility, making it ideal for applications that require additional mechanical strength.

SULFUR BLACK 10

ID: 1326-84-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-08-02 11:48:03

%: 0.0130 - 0.0135

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                                 |
|---------------------|----------------------|----------------------------------------------|
| None found          |                      | No listings found on Additional Hazard Lists |

SUBSTANCE NOTES: Alloying additions of sulfur in amounts from 0.10% to 0.30% will tend to improve the machinability of steel.

### 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                       | Inherently non-emitting source per LEED |                        |
|-------------------------------------|-----------------------------------------|------------------------|
| CERTIFYING PARTY: Self-declared     | ISSUE DATE: 2023-08-02                  | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All          | EXPIRY DATE:                            |                        |
| CERTIFICATE URL:                    |                                         |                        |
| CERTIFICATION AND COMPLIANCE NOTES: |                                         |                        |

### Section 4: Accessories

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

|                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------|
| SCREWS                                                                                                                                    |
| MANUFACTURER (OR GENERIC): Generic                                                                                                        |
| HPD URL: No HPD available                                                                                                                 |
| ACCESSORY TYPE: Fastner                                                                                                                   |
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Most cabinets require #10 x 2-1/2" self-drilling screws for wall installation. |

### Section 5: General Notes

This HPD covers all Potter Roemer Fire Pro cabinets regardless of the type of installation: surface mount, recessed, semi-recessed, trimless, or standalone models.

This HPD covers also custom-sized cabinets. Included in the HPD are options for acrylic or tempered safety glass and various type of door handles and locks.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Potter Roemer Fire Pro  
**ADDRESS:** 17451 Hurley St  
**City of Industry California 91744, United States**  
**WEBSITE:** <https://www.potterroemer.com/home>

**CONTACT NAME:** Victor Ursan  
**TITLE:** QC/Compliance Engineer  
**PHONE:** 1 626-855-4890  
**EMAIL:** [vursan@potterroemer.com](mailto:vursan@potterroemer.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 for compliance with the HPD standard noted.*