## **Viper-X Interior Non-Structural Studs and Tracks** by CEMCO

**Health Product** Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1855903744

CLASSIFICATION: 09 22 16 Non-Structural Metal Framing

PRODUCT DESCRIPTION: The Viper-X® Drywall Framing System offers all the benefits of conventional flat steel studs and tracks with a design that performs even better. Viper-X Interior Non-Structural Studs and Track consist of 100% hot-dip galvanized steel, and are used for framing of interior nonload- bearing composite and non-composite walls. Viper-X Tracks® are fabricated in 1-5/8", 2-1/2", 3-1/2", 3-5/8", 4", and 6" widths with 1-1/4", 1-1/2", and 2" legs from standard G40 hot-dipped galvanized steel. Viper-X Studs® are fabricated in 1-5/8", 2-1/2", 3-5/8", 4", and 6" widths from standard G40 hot-dipped galvanized steel; G60 and G90 coatings are available upon request. May also include the following CSI MasterFormats: 09 21 16 Gypsum Board Assemblies; 09 22 00 Supports for Plaster and Gypsum Board.



## Section 1: Summary

## **Nested Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per** 

- Material
- Product

**Threshold Level** 

- C 1,000 ppm
- C Per GHS SDS
- Other

Residuals/Impurities Evaluation

Completed in 3 of 3 Materials

Explanation(s) provided for Residuals/Impurities?

For all contents above the threshold, the manufacturer has:

Characterized

Yes ○ No

Yes ○ No

Provided weight and role.

Screened

Provided screening results using HPDC-approved

methods.

Identified Yes ○ 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

BASE STEEL [ IRON, ELEMENTAL LT-P1 | END MANGANESE LT-P1 | END | MUL | REP | MAM | AQU CARBON LT-UNK COPPER LT-P1 | MUL | AQU | MAM ALUMINUM BM-1 | END | MAM | PHY NICKEL LT-1 | CAN | MUL | RES | MAM | SKI | AQU CHROMIUM LT-P1 | END | SKI | MAM | REP | RES SILICON, ELEMENTAL LT-UNK PHOSPHORUS BM-2 | MAM | PHY | EYE | AQU | SKI MOLYBDENUM LT-UNK | MAM | SKI | REP TITANIUM LT-UNK | PHY ] ZINC COATING [ ZINC, ELEMENTAL LT-P1 | MUL | AQU ALUMINUM BM-1 | END | MAM | PHY ] PASSIVATION COATING []

Number of Greenscreen BM-4/BM3 contents ... 0

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

Nanomaterial ... No

#### **INVENTORY AND SCREENING NOTES:**

Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.3, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight.

#### **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 LCA: Environmental Product Declaration (EPD) by SCS Evalulation Report: IAMPO UES Evalulation Report

#### **CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VFRIFIFR:

**VERIFICATION #:** 

SCREENING DATE: 2025-02-07 PUBLISHED DATE: 2025-02-07 EXPIRY DATE: 2028-02-07

## Section 2: Content in Descending Order of Quantity

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

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

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

#### **BASE STEEL** %: 96.3000 - 97.5000

PRODUCT THRESHOLD: 100 ppm

**IRON, ELEMENTAL** 

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

ID: 7439-89-6

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

OTHER MATERIAL NOTES: Standard G40 hot dipped galvanized steel manufactured per ASTM A653.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-02-07 11:09:03

\*\*Section\*\* 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: CEMCO cold-formed steel framing products contain 30% to 37% recycled steel sourced from several domestic (USA) suppliers. Please contact manufacturer if more information is required.

MANGANESE ID: 7439-96-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-02-07 11:09:04
%: 0.0600 - 1.2000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Alloy element

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS  |
|---------------------|---|---|
| END                 | TEDX - Potential Endocrine Disruptors                   | Potential Endocrine Disruptor   |
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 3 - Severe Hazard to Waters   |
| REP                 | GHS - Japan   | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]   |
| MAM                 | GHS - Japan   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM                 | GHS - Australia   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 3   |
| AQU                 | GHS - Japan   | H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]  |
| AQU                 | GHS - Japan   | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                      |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022  |
|                     |   | Biological and Environmentally Released Materials   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022  |
|                     |   | Children's Products   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024   |
|                     |   | Children's Toy Products   |
| SUBSTANCE NOTES:    |   |   |

| CARBON              |                                      |          |                 | ID: <b>7440-44-0</b>                       |
|---------------------|--------------------------------------|----------|-----------------|--|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Librar | у        | HAZARD          | SCREENING DATE: 2025-02-07 11:09:04        |
| %: 0.0300 - 0.2000  | GreenScreen: LT-UNK                  | RC: None | NANO: <b>No</b> | SUBSTANCE ROLE: Alloy element              |
| HAZARD TYPE         | LIST NAME AND SOURCE                 |          | WARNINGS        |  |
| None found          |                                      |          | No wa           | arnings found on HPD Priority Hazard Lists |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  | NOTIFICATION                          |
|---------------------|---------------------------------------|---------------------------------------|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI) | GSPI - Six Classes Precautionary List |
|                     |                                       | Antimicrobials                        |
| SUBSTANCE NOTES:    |                                       |                                       |

**COPPER** ID: **7440-50-8** 

| HAZARD DATA SOURCE: P     | haros Chemical and Materials Lib      | rary                                      | HAZARD            | SCREENING DATE: 2025-02-07 11:09:09  |  |
|---------------------------|---------------------------------------|---|-------------------|--|--|
| %: <b>0.0100 - 0.0900</b> | GreenScreen: LT-P1                    | RC: None                                  | NANO: <b>No</b>   | SUBSTANCE ROLE: Alloy element  |  |
| HAZARD TYPE               | LIST NAME AND SOURCE                  |   | WARNINGS          |  |  |
| MUL                       | German FEA - Substances I<br>Waters   |   |                   | Hazard to Waters   |  |
| AQU                       | EU - GHS (H-Statements) A             | EU - GHS (H-Statements) Annex 6 Table 3-1 |                   | aquatic life with long lasting effects<br>se aquatic environment (chronic) -                                     |  |
| MAM                       | GHS - Japan                           |   | -                 | se respiratory irritation [Specific target Single exposure - Category 3]   |  |
| MAM                       | GHS - Japan                           | GHS - Japan                               |                   | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1] |  |
| ADDITIONAL LISTINGS       | LIST NAME AND SOURCE                  |   | NOTIFICATION      |  |  |
| RESTRICTED LIST           | Perkins+Will (P+W)                    |   | P&W - Precautio   | onary List   |  |
|                           |                                       |   | Precautionary lis | at of substances recommended for   |  |
| RESTRICTED LIST           | Green Science Policy Institu          | te (GSPI)                                 | GSPI - Six Class  | ses Precautionary List   |  |
|                           |                                       |   | Antimicrobials    |  |  |
| RESTRICTED LIST           | Cradle to Cradle Products Ir (C2CPII) | novation Institute                        |                   | .0 Product Standard Restricted<br>(RSL) - Effective July 1, 2022   |  |
|                           |                                       |   | Biological and E  | nvironmentally Released Materials  |  |
| RESTRICTED LIST           | Cradle to Cradle Products Ir (C2CPII) | novation Institute                        |                   | .0 Product Standard Restricted (RSL) - Effective July 1, 2022  |  |
|                           |                                       |   | Children's Produ  | octs   |  |
| RESTRICTED LIST           | Cradle to Cradle Products Ir (C2CPII) | novation Institute                        |                   | .1 Product Standard Restricted fective July 1, 2024  |  |
|                           |                                       |   | Children's Toy P  | roducts  |  |
| SUBSTANCE NOTES:          |                                       |   |                   |  |  |

SUBSTANCE NOTES:

**ALUMINUM** ID: **7429-90-5** 

| HAZARD DATA SOURCE: | Pharos Chemical and Materials Lil       | orary               | HAZARD SCREENING DATE: 2025-02-07 11:09 |  |
|---------------------|---|---------------------|---|--|
| %: 0.0300 - 0.0700  | GreenScreen: BM-1                       | RC: None            | NANO: <b>No</b>                         | SUBSTANCE ROLE: Alloy element  |
| HAZARD TYPE         | LIST NAME AND SOURCE                    |                     | WARNINGS                                |  |
| END                 | TEDX - Potential Endocrine              | Disruptors          | Potential Endocr                        | ine Disruptor  |
| MAM                 | GHS - Japan                             |                     | repeated exposu                         | damage to organs through prolonged or<br>lire [Specific target organs/systemic toxicity<br>ed exposure - Category 1] |
| MAM                 | GHS - Japan                             |                     |   | damage to organs [Specific target toxicity following single exposure -   |
| PHY                 | GHS - Japan                             |                     | [Substances and                         | t with water releases flammable gas<br>I mixtures, which in contact with water,<br>gases - Category 2]               |
| PHY                 | GHS - Malaysia                          |                     |   | fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]   |
| PHY                 | GHS - Australia                         |                     |   | fire spontaneously if exposed to air ds; Pyrophoric solids - Category 1]   |
| PHY                 | GHS - New Zealand                       |                     | Pyrophoric solids                       | s category 1   |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                    |                     | NOTIFICATION                            |  |
| RESTRICTED LIST     | Cradle to Cradle Products I<br>(C2CPII) | nnovation Institute |   | .0 Product Standard Restricted (RSL) - Effective July 1, 2022  |
|                     |   |                     | Biological and E                        | nvironmentally Released Materials  |
| RESTRICTED LIST     | Cradle to Cradle Products I<br>(C2CPII) | nnovation Institute |   | .0 Product Standard Restricted (RSL) - Effective July 1, 2022  |
|                     |   |                     | Children's Produ                        | cts  |
| RESTRICTED LIST     | Cradle to Cradle Products I<br>(C2CPII) | nnovation Institute |   | .1 Product Standard Restricted fective July 1, 2024  |
|                     |   |                     | Children's Toy P                        | roducts  |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool.

| NICKEL              |                                  |          |                 | ID: <b>7440-02-0</b>                |
|---------------------|----------------------------------|----------|-----------------|-------------------------------------|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Li | ibrary   | HAZARD          | SCREENING DATE: 2025-02-07 11:09:03 |
| %: 0.0100 - 0.0600  | GreenScreen: LT-1                | RC: None | NANO: <b>No</b> | SUBSTANCE ROLE: Alloy element       |

| HAZARD TYPE | LIST NAME AND SOURCE                        | WARNINGS  |
|-------------|---|---|
| CAN         | US CDC - Occupational Carcinogens           | Occupational Carcinogen   |
| CAN         | MAK   | Carcinogen Group 1 - Substances that cause cancer in man  |
| MUL         | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters   |
| CAN         | IARC  | Group 1 - Agent is Carcinogenic to humans   |
| CAN         | CA EPA - Prop 65                            | Carcinogen  |
| CAN         | US NIH - Report on Carcinogens              | Known to be a human Carcinogen  |
| CAN         | IARC  | Group 2b - Possibly carcinogenic to humans  |
| CAN         | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen   |
| RES         | MAK   | Sensitizing Substance Sah - Danger of airway & skin sensitization   |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1   | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| CAN         | GHS - New Zealand                           | Carcinogenicity category 2  |
| CAN         | GHS - Japan                                 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |
| MAM         | GHS - Japan                                 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |
| MAM         | GHS - Australia                             | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| MAM         | GHS - Japan                                 | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]  |
| CAN         | EU - Annex VI CMRs                          | Carcinogen Category 2 - Suspected human Carcinogen  |
| SKI         | GHS - New Zealand                           | Skin sensitisation category 1   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - acute category 1   |
| AQU         | GHS - New Zealand                           | Hazardous to the aquatic environment - chronic category 1   |
| CAN         | GHS - Australia                             | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]   |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
|---------------------|---|--|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List  |
|                     |   | Certain Metals   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Biological and Environmentally Released Materials  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Children's Products  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Footwear, Apparel & Jewelry Products   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | All Products   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | Children's Toy Products  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | Cosmetics and Personal Care Products   |
|                     |   |  |

SUBSTANCE NOTES:

| CHROMIUM ID: 74 | 440-47-3 |
|-----------------|----------|
|-----------------|----------|

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                            | HAZARD SCREENING DATE: 2025-02-07 11:09:04 |                  |  |
|---|----------------------------|--|------------------|--|
| %: 0.0200 - 0.0400  | GreenScreen: LT-P1         | RC: None                                   | NANO: <b>No</b>  | SUBSTANCE ROLE: Alloy element  |
| HAZARD TYPE   | LIST NAME AND SOURCE       |  | WARNINGS         |  |
| END   | TEDX - Potential Endocrine | Disruptors                                 | Potential Endoci | rine Disruptor   |
| SKI   | MAK                        |  | Sensitizing Subs | stance Sh - Danger of skin sensitization                                       |
| MAM   | GHS - Japan                |  | •                | se respiratory irritation [Specific target Single exposure - Category 3]       |
| REP   | GHS - New Zealand          |  | Reproductive to  | xicity category 2  |
| RES   | GHS - Japan                |  | •                | se allergy or asthma symptoms or lties if inhaled [Respiratory sensitization - |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
|---------------------|---|--|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Biological and Environmentally Released Materials  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Children's Products  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Cosmetics & Personal Care Products   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | Children's Toy Products  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | Cosmetics and Personal Care Products   |
|                     |   |  |
|                     |   |  |

SUBSTANCE NOTES:

| SILICON, ELEMENTAL  |                                       |          |                 | ID: <b>7</b>                         | 440-21-3  |
|---------------------|---------------------------------------|----------|-----------------|--------------------------------------|-----------|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Library |          | HAZARD          | SCREENING DATE: 2025-02-07           | 11:09:04  |
| %: 0.0100 - 0.0300  | GreenScreen: LT-UNK                   | RC: None | NANO: <b>No</b> | SUBSTANCE ROLE: Alloy ele            | ement     |
| HAZARD TYPE         | LIST NAME AND SOURCE                  |          | WARNINGS        |                                      |           |
| None found          |                                       |          | No w            | arnings found on HPD Priority Haza   | ard Lists |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  |          | NOTIFICATION    |                                      |           |
| None found          |                                       |          | ١               | No listings found on Additional Haza | ard Lists |
| SUBSTANCE NOTES:    |                                       |          |                 |                                      |           |

| PHOSPHORUS  |                   |          |  | ID: <b>7723-14-0</b>          |
|---|-------------------|----------|--|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |          | HAZARD SCREENING DATE: 2025-02-07 11:09:05 |                               |
| %: 0.0100 - 0.0200  | GreenScreen: BM-2 | RC: None | NANO: No                                   | SUBSTANCE ROLE: Alloy element |

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS   |  |
|---------------------|---|--|--|
| MAM                 | US EPA - EPCRA Extremely Hazardous<br>Substances        | Extremely Hazardous Substances   |  |
| MAM                 | GHS - New Zealand                                       | Specific target organ toxicity - repeated exposure category                                      |  |
| PHY                 | GHS - New Zealand                                       | Pyrophoric solids category 1   |  |
| EYE                 | GHS - New Zealand                                       | Serious eye damage category 1  |  |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - acute category 1  |  |
| AQU                 | GHS - New Zealand                                       | Hazardous to the aquatic environment - chronic category 1  |  |
| MAM                 | Québec CSST - WHMIS 1988                                | Class D1A - Very toxic material causing immediate and serious toxic effects                      |  |
| SKI                 | GHS - New Zealand                                       | Skin corrosion category 1A   |  |
| MAM                 | GHS - New Zealand                                       | Acute dermal toxicity category 1   |  |
| MAM                 | GHS - New Zealand                                       | Acute inhalation toxicity category 1   |  |
| MAM                 | GHS - New Zealand                                       | Acute oral toxicity category 1   |  |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |  |
|                     |   | Cosmetics & Personal Care Products   |  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |  |
|                     |   | Cosmetics and Personal Care Products   |  |

 ${\tt SUBSTANCE\ NOTES: Green Screen\ Benchmark @\ assessment\ score\ of\ BM-2\ was\ provided\ by\ the\ HPD\ Builder\ Tool.}$ 

| MOLYBDENUM          |                                       | ID: <b>7439-98-</b> 7 |   |                           |                        |
|---------------------|---------------------------------------|-----------------------|---|---------------------------|------------------------|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Library |                       | HAZARD  | SCREENING DATE:           | 2025-02-07 11:09:05    |
| %: 0.0000 - 0.0200  | GreenScreen: LT-UNK                   | RC: None              | NANO: <b>No</b>   | SUBSTANCE RO              | LE: Alloy element      |
| HAZARD TYPE         | LIST NAME AND SOURCE                  |                       | WARNINGS  |                           |                        |
| MAM                 | GHS - Japan                           |                       | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3] |                           |                        |
| SKI                 | GHS - Japan                           |                       | H315 - Causes s<br>Category 2]  | skin irritation [Skin cor | rosion / irritation -  |
| REP                 | GHS - New Zealand                     |                       | Reproductive to   | xicity category 2         |                        |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  |                       | NOTIFICATION  |                           |                        |
| None found          |                                       |                       | N   | No listings found on A    | dditional Hazard Lists |

TITANIUM ID: 7440-32-6

| HAZARD DATA SOURCE: | Pharos Chemical and Materials Library |          | HAZARD                              | SCREENING DATE:                                 | 2025-02-07 11:09:0     |
|---------------------|---------------------------------------|----------|-------------------------------------|---|------------------------|
| %: 0.0000 - 0.0200  | GreenScreen: LT-UNK                   | RC: None | NANO: <b>No</b>                     | SUBSTANCE RC                                    | DLE: Alloy element     |
| HAZARD TYPE         | LIST NAME AND SOURCE                  |          | WARNINGS                            |   |                        |
| PHY                 | GHS - Japan                           |          | H225 - Highly fla                   | ammable liquid and va                           | apour [Flammable       |
| PHY                 | GHS - Japan                           |          | H250 - Catches<br>[Pyrophoric solic | fire spontaneously if ds - Category 1]          | exposed to air         |
| PHY                 | GHS - Japan                           |          |                                     | ting;; may catch fire [s<br>mixtures - Category | =                      |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                  |          | NOTIFICATION                        |   |                        |
| None found          |                                       |          | N                                   | No listings found on A                          | dditional Hazard Lists |
| SUBSTANCE NOTES:    |                                       |          |                                     |   |                        |

**ZINC COATING** %: 2.5000 - 3.7000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Metal

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

OTHER MATERIAL NOTES: Standard G40 hot dipped galvanized steel manufactured per ASTM A653.

ZINC, ELEMENTAL ID: 7440-66-6

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                     | HAZARD SCREENING DATE: 2025-02-07 11:09:06 |                    |  |
|---|-------------------------------------|--|--------------------|--|
| %: 99.2000 - 99.5000                                      | GreenScreen: LT-P1                  | RC: None                                   | NANO: <b>No</b>    | SUBSTANCE ROLE: Coating                  |
| HAZARD TYPE   | LIST NAME AND SOURCE                |  | WARNINGS           |  |
| MUL   | German FEA - Substances F<br>Waters | lazardous to                               | Class 3 - Severe I | Hazard to Waters                         |
| AQU   | GHS - New Zealand                   |  | Hazardous to the   | aquatic environment - acute category 1   |
| AQU   | GHS - New Zealand                   |  | Hazardous to the   | aquatic environment - chronic category 1 |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
|---------------------|---|--|
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List  |
|                     |   | Antimicrobials   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Biological and Environmentally Released Materials  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |
|                     |   | Children's Products  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |
|                     |   | Children's Toy Products  |
|                     |   |  |

SUBSTANCE NOTES:

**ALUMINUM** ID: 7429-90-5

| HAZARD DATA SOURCE: | RCE: Pharos Chemical and Materials Library |            | HAZARD SCREENING DATE: 2025-02-07 11:09:06 |  |
|---------------------|--|------------|--|--|
| %: 0.1000 - 0.5000  | GreenScreen: BM-1                          | RC: None   | NANO: <b>No</b>                            | SUBSTANCE ROLE: Coating  |
| HAZARD TYPE         | LIST NAME AND SOURCE                       |            | WARNINGS                                   |  |
| END                 | TEDX - Potential Endocrine                 | Disruptors | Potential Endocrin                         | ne Disruptor   |
| MAM                 | GHS - Japan                                |            | repeated exposure                          | amage to organs through prolonged or e [Specific target organs/systemic toxicity dexposure - Category 1] |
| MAM                 | GHS - Japan                                |            |  | umage to organs [Specific target oxicity following single exposure -                                     |
| PHY                 | GHS - Japan                                |            |  | with water releases flammable gas mixtures, which in contact with water, ases - Category 2]              |
| PHY                 | GHS - Malaysia                             |            |  | re spontaneously if exposed to air s; Pyrophoric solids - Category 1]                                    |
| PHY                 | GHS - Australia                            |            |  | re spontaneously if exposed to air s; Pyrophoric solids - Category 1]                                    |
| PHY                 | GHS - New Zealand                          |            | Pyrophoric solids                          | category 1   |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |  |
|---------------------|---|--|--|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |  |
|                     |   | Biological and Environmentally Released Materials  |  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<br>Substances List (RSL) - Effective July 1, 2022 |  |
|                     |   | Children's Products  |  |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted<br>Substances - Effective July 1, 2024            |  |
|                     |   | Children's Toy Products  |  |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool.

| PASSIVATION COATING    |  |                                 |
|------------------------|--|---------------------------------|
| PRODUCT THRESHOLD: 100 | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: | MATERIAL TYPE: Other: Corrosion |
| ppm                    | Yes  | Inhibitor                       |

RESIDUALS AND IMPURITIES NOTES: As all substances in this material are below the reportable threshold, no residuals or impurities are possible at or above the Content Inventory Threshold indicated.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold. Passivation coatings for corrosion resistance are an industry standard for this type of material.

# 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

APPLICABLE FACILITIES: City of Industry, CA 91746; Pittsburg, CA 94565; Denver, CO 80204; Fort Worth, TX

76140

**CERTIFICATE URL:** 

CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2024-09-19 00:00:00

ISSUE DATE: 2023-05-03 00:00:00

EXPIRY DATE: 2028-05-02 00:00:00

CERTIFIER OR LAB: None

CERTIFIER OR LAB: SCS Global

CERTIFIER OR LAB: Uniform

**Evaluation Services** 

Services

**EXPIRY DATE:** 

#### **LCA Environmental Product Declaration (EPD) by SCS**

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: City of Industry, CA 91746;

Pittsburg, CA 94565; Denver, CO 80204; Fort Worth, TX

76140

CERTIFICATE URL: https://tinyurl.com/4s6ptymh

CERTIFICATION AND COMPLIANCE NOTES: Declaration Owner: CEMCO LLC. Declaration Number: SCS-EPD-08938. Products: Cold-formed Steel Framing and Accessories. Declared Unit: One metric ton of steel framing product. Product Category Rule: PCR Guidance for Version 3.2. UL Environment. Sept. 2018; PCR Guidance for Building-Related Products and Services. Part B: Designated Steel Construction Product EPD Requirements. UL Environment. August 2020. EPD Scope: Cradle-to-Gate.

#### **EVALULATION REPORT**

#### **IAMPO UES Evalulation Report**

ISSUE DATE: 2017-09-01 00:00:00

EXPIRY DATE: 2025-09-23 00:00:00

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: City of Industry, CA 91746;

Pittsburg, CA 94565; Denver, CO 80204; Fort Worth, TX

76140

CERTIFICATE URL: https://tinyurl.com/yhjuvnef

CERTIFICATION AND COMPLIANCE NOTES: IAPMO Evaluation Report UES-0524. Evaluation Subject: Viper-X Cold-Formed Steel Framing Members

(Studs and Tracks): Viper-X 15 (0.0147 min), Viper-X 19 (0.0179 min), Viper-X 22 (0.0223 min), Viper-X 28 (0.0280 min), Viper-X 30 (0.0285 min) & Viper-X 19 (0.0179 min), Viper-X 29 (0.0223 min), Viper-X 29 (0.0280 min), Viper-X 30 (0.0285 min) & Viper-X 19 (0.0179 min), Viper-X 29 (0.0280 min), Viper-X 29 (0.0280 min), Viper-X 30 (0.0285 min) & Viper-X 19 (0.0179 min), Viper-X 29 (0.0280 min), Viper-X 29 (0.0280 min), Viper-X 30 (0.0285 min) & Viper-X 30 X 33 (0.0329 min). Evaluation Scope includes compliance with the following codes: 2018, 2015 and 2012 International Building Code® (IBC); 2018, 2015, 2012 International Residential Code® (IRC); 2019 California Building Code (CRC); 2019 California Residential Code (CRC); 2020 City of Los Angeles Building Code (LABC); 2020 City of Los Angeles Residential Code (LARC).

## 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.

## **GYPSUM WALLBOARD**

MANUFACTURER (OR GENERIC): Generic

HPD URL: https://www.hpd-collaborative.org/hpd-public-repository/

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: For installation of drywall framing system. According to ICC-ES ESR-2620: "Gypsum wallboard must be a minimum of 5/8 inch (15.9 mm) thick and Type X, complying with ASTM C1396 and manufactured by one of the following companies: American Gypsum; CertainTeed; Georgia Pacific; Lafarge; National Gypsum; Temple-Inland; or USG." Several domestic (USA) gypsum wallboard suppliers have published HPDs available for their products; see HPD Public Repository for more information and to download gypsum wallboard HPDs

#### **FASTENERS**

MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Fasteners for attaching the gypsum wallboard to the studs and tracks. According to ICC-ES ESR 2620: "must be No. 6, Type S, fine thread drywall bugle head screws conforming to ASTM C1002."

# Section 5: General Notes

Viper-X Drywall Nonstructural Framing Members and Accessories meet AISI S100, S220 for non-structural studs and tracks as well as the following ASTM standards: Material Specification (ASTM) A1003/A653/A924; Product Specification (ASTM) C645; Coating Specification (ASTM) A1003/A653/A924; Installation (ASTM) C754. Viper-X products meet the following building codes per IAPMO UES ER 0524: 2018, 2015, 2012 IBC, 2018, 2015, 2012 IRC, 2019 CBC, 2020 LABC, 2020 LARC.

#### **MANUFACTURER INFORMATION**

MANUFACTURER: CEMCO

ADDRESS: 13191 Crossroads Pkwy. North

Suite 325

City of Industry, CA 91746

COUNTRY: USA

WEBSITE: www.cemcosteel.com
CONTACT NAME: Fernando Sesma

TITLE: Director of Technical Services

PHONE: **800.416.2278** 

EMAIL: fsesma@cemcosteel.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.

#### KFY

#### **Hazard Types**

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**LAN** Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

**NEU** Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

#### GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

**LT-1** List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

## Recycled Types

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

**UNK** Inclusion of recycled content is unknown

None Does not include recycled content

#### Other Terms:

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

### **Inventory Methods:**

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and

