# Structural / Curtain Wall Studs & Track by CEMCO

**Health Product** Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 2298192054272

CLASSIFICATION: 05 40 00 Cold-Formed Metal Framing

PRODUCT DESCRIPTION: CEMCO Exterior Structural Studs and Track are manufactured from mill certified steel, and are designed for use in curtainwall and load bearing applications. Thicknesses range from 33 mil (20 ga) to 118 mil (10 ga). Flange or leg sizes for both studs and track range from 1 1/4" to 3 1/2". These products are produced with a standard G60 coating, but are also available with a G90 coating upon special request. CEMCO's structural framing products are manufactured to the strict tolerances set forth by the 2012, 2015, 2018, and 2021 IBC, and verified by ICC-ES ESR-3016 and ESR-4205; Structural Framing Members & Accessories Material Specification (ASTM) A1003/A653/A924; Product Specification (ASTM) C955; Coating Specification (ASTM) A1003/A653/A924. All CEMCO products are manufactured in the USA at one of our four state-of-the-art production facilities strategically located in four major metropolitan markets to ensure that service and quality requirements are met.

# Section 1: Summary

## **Nested Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

Nested Materials Method C 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 ALUMINUM BM-1 | END | MAM | PHY COPPER LT-P1 | MUL | AQU | MAM CHROMIUM LT-P1 | END | SKI | MAM | REP | RES SILICON, ELEMENTAL LT-UNK PHOSPHORUS BM-2 | MAM | PHY | EYE | AQU | SKI NICKEL LT-1 | CAN | MUL | RES | MAM | SKI | AQU | 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

Evaluation Report: ICC-ES Evaluation Report **Evaluation Report: ICC-ES Evaluation 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

VERIFIER: **VERIFICATION #:**  SCREENING DATE: 2025-03-05 PUBLISHED DATE: 2025-03-05 EXPIRY DATE: 2028-03-05

# 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** %: 97.4000 - 99.1000

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: Cold-formed from steel coils complying with ASTM A1003.

IRON, ELEMENTAL ID: 7439-89-6

| HAZARD DATA SOURCE: Phare | s Chemical and Materials Library      |          | HAZARD SCREENING DATE: 2025-03-05 13:47 |  |
|---------------------------|---------------------------------------|----------|---|--|
| %: 98.5000 - 99.6000      | GreenScreen: LT-P1                    | RC: Both | NANO: <b>No</b>                         | 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                  |          | NOTIFICATIO                             | DN .   |
| ADDITIONAL LISTINGS       | LIST NAME AND SOURCE                  |          | NOTIFICATIO                             | JN   |
| 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: 2025-03-05 13:47:55

%: 0.2000 - 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: 2025-03-05 13:47:55        |
| %: 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:    |                                       |                                       |

ALUMINUM ID: 7429-90-5

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |   | HAZARD SCREENING DATE: 2025-03-05 13:47:56 |   |  |
|---|---|--|---|--|
| %: 0.0100 - 0.0500  | 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                             |  | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated 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  |

 ${\tt SUBSTANCE\ NOTES: Green Screen\ Benchmark @\ assessment\ score\ of\ BM-1\ was\ provided\ by\ the\ HPD\ Builder\ Tool.}$ 

COPPER ID: 7440-50-8

| HAZARD DATA SOURCE: I | Pharos Chemical and Materials Lib        | orary               | HAZARD                      | SCREENING DATE: 2025-03-05 13:47:57  |
|-----------------------|--|---------------------|-----------------------------|--|
| %: 0.0100 - 0.0300    | GreenScreen: LT-P1                       | RC: None            | NANO: <b>No</b>             | SUBSTANCE ROLE: Alloy element  |
| HAZARD TYPE           | LIST NAME AND SOURCE                     |                     | WARNINGS                    |  |
| MUL                   | German FEA - Substances<br>Waters        | Hazardous to        | Class 3 - Severe            | Hazard to Waters   |
| AQU                   | EU - GHS (H-Statements) A                | Annex 6 Table 3-1   |                             | aquatic life with long lasting effects<br>ne aquatic environment (chronic) - |
| MAM                   | GHS - Japan                              |                     | -                           | se respiratory irritation [Specific target<br>Single exposure - Category 3]  |
| MAM                   | GHS - Japan                              |                     |                             | damage to organs [Specific target toxicity following single exposure -       |
| ADDITIONAL LISTINGS   | LIST NAME AND SOURCE                     |                     | NOTIFICATION                |  |
| RESTRICTED LIST       | Perkins+Will (P+W)                       |                     | P&W - Precautio             | onary List   |
|                       |  |                     | Precautionary lis avoidance | st of substances recommended for   |
| RESTRICTED LIST       | Green Science Policy Institu             | ute (GSPI)          | GSPI - Six Class            | ses Precautionary List   |
|                       |  |                     | Antimicrobials              |  |
| RESTRICTED LIST       | Cradle to Cradle Products II<br>(C2CPII) | nnovation Institute |                             | .0 Product Standard Restricted (RSL) - Effective July 1, 2022                |
|                       |  |                     | Biological and Er           | nvironmentally Released Materials  |
| RESTRICTED LIST       | Cradle to Cradle Products II<br>(C2CPII) | nnovation Institute |                             | .0 Product Standard Restricted (RSL) - Effective July 1, 2022                |
|                       |  |                     | Children's Produ            | ncts   |
| RESTRICTED LIST       | Cradle to Cradle Products I<br>(C2CPII)  | nnovation Institute |                             | 1.1 Product Standard Restricted fective July 1, 2024                         |
|                       |  |                     | Children's Toy P            | Products   |
| SUBSTANCE NOTES:      |  |                     |                             |  |

CHROMIUM

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-03-05 13:47:54

%: 0.0200 - 0.0200

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  |
| SKI                 | MAK   | Sensitizing Substance Sh - Danger of skin sensitization  |
| MAM                 | GHS - Japan   | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                    |
| REP                 | GHS - New Zealand                                       | Reproductive toxicity category 2   |
| RES                 | GHS - Japan   | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A] |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (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>7440-21-3</b>                         |
|---------------------|---------------------------------------|----------|-----------------|--|
| HAZARD DATA SOURCE: | Pharos Chemical and Materials Library | ,        | HAZARD          | SCREENING DATE: 2025-03-05 13:47:55          |
| %: 0.0100 - 0.0200  | 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    |  |
| None found          |                                       |          | N               | No listings found on Additional Hazard Lists |
| SUBSTANCE NOTES:    |                                       |          |                 |  |

PHOSPHORUS ID: 7723-14-0

| HAZARD DATA SOURCE: F | Pharos Chemical and Materials Li     | brary                | HAZARD                                 | SCREENING DATE: 2025-03-05 13:47:55                           |
|-----------------------|--------------------------------------|----------------------|--|---|
| %: 0.0100 - 0.0200    | GreenScreen: BM-2                    | RC: None             | NANO: <b>No</b>                        | SUBSTANCE ROLE: Alloy element                                 |
| HAZARD TYPE           | LIST NAME AND SOURCE                 | Ē                    | WARNINGS                               |   |
| MAM                   | US EPA - EPCRA Extreme<br>Substances | ely Hazardous        | Extremely Hazar                        | rdous Substances  |
| MAM                   | GHS - New Zealand                    |                      | Specific target or                     | rgan toxicity - repeated exposure category                    |
| PHY                   | GHS - New Zealand                    |                      | Pyrophoric solids                      | s category 1  |
| EYE                   | GHS - New Zealand                    |                      | Serious eye dam                        | nage category 1   |
| AQU                   | GHS - New Zealand                    |                      | Hazardous to the                       | e aquatic environment - acute category 1                      |
| AQU                   | GHS - New Zealand                    |                      | Hazardous to the                       | e aquatic environment - chronic category 1                    |
| MAM                   | Québec CSST - WHMIS 19               | 988                  | Class D1A - Verg<br>serious toxic effe | y toxic material causing immediate and ects                   |
| SKI                   | GHS - New Zealand                    |                      | Skin corrosion ca                      | ategory 1A  |
| MAM                   | GHS - New Zealand                    |                      | Acute dermal tox                       | xicity category 1   |
| MAM                   | GHS - New Zealand                    |                      | Acute inhalation                       | toxicity category 1   |
| MAM                   | GHS - New Zealand                    |                      | Acute oral toxicit                     | y category 1  |
| ADDITIONAL LISTINGS   | LIST NAME AND SOURCE                 | ≣                    | NOTIFICATION                           |   |
| RESTRICTED LIST       | Cradle to Cradle Products (C2CPII)   | Innovation Institute |  | .0 Product Standard Restricted (RSL) - Effective July 1, 2022 |
|                       |                                      |                      | Cosmetics & Per                        | rsonal Care Products  |
| RESTRICTED LIST       | Cradle to Cradle Products (C2CPII)   | Innovation Institute |  | .1 Product Standard Restricted ective July 1, 2024            |
|                       |                                      |                      | Cosmetics and F                        | Personal Care Products  |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-2 was provided by the HPD Builder Tool.

NICKEL ID: 7440-02-0

| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |          | HAZARD SCREENING DATE: 2025-03-05 13:47:57 |                               |  |
|---|-------------------|----------|--|-------------------------------|--|
| %: 0.0100 - 0.0100  | 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:

**ZINC COATING** %: 0.9000 - 2.6000

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 G60 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: 2025-03-05 13:47:57

Sept. Substance Role: Coating

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS   |  |
|---------------------|---|--|--|
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 3 - Severe 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: Pharos Chemical and Materials Library |                                       | HAZARD SCREENING DATE: 2025-03-05 13:47:58 |   |                         |
|---|---------------------------------------|--|---|-------------------------|
| %: 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                           |  | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1] |                         |
| MAM   | GHS - Japan                           |  | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]  |                         |
| PHY   | GHS - Japan                           |  | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |                         |
| PHY   | GHS - Malaysia                        |  | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]  |                         |
| PHY   | GHS - Australia                       |  | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]  |                         |
| PHY   | GHS - New Zealand                     |  | Pyrophoric solids category 1  |                         |

| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                                    | NOTIFICATION   |  |
|---------------------|---|--|--|
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted<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    | %: 0.0000 - 0.0010                             |                                 |
|------------------------|--|---------------------------------|
| 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: 2021-05-28 00:00:00

EXPIRY DATE: 2026-05-27 00:00:00

**EXPIRY DATE:** 

CERTIFIER OR LAB: None

CERTIFIER OR LAB: SCS Global

CERTIFIER OR LAB: ICC

CERTIFIER OR LAB: ICC

**Evaluation Service** 

**Evaluation Service** 

Services

#### **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

**LCA** 

CERTIFICATE URL: https://tinyurl.com/2k9y39nb

CERTIFICATION AND COMPLIANCE NOTES: CEMCO is listed as a recognized participant in this Industry-Wide EPD. Declaration Owner: Steel Framing Industry Association (SFIA). Declaration Number: SCS-EPD-07103. Product: Cold-formed Steel Framing. Declared Unit: One ton of industryaveraged cold-formed steel framing product. Product Category Rule: PCR Guidance for Version 3.2, Part A, UL Environment, September 2018; PCR Guidance for Building-Related Products and Services, Part B: Designated Steel Construction Product EPD Requirements, UL Environment, v2, August 2020. EPD Scope: Cradle-to-Gate. This EPD conforms to ISO 14025, 14040, 14044, and ISO 21930.

#### **EVALUATION REPORT**

#### **ICC-ES Evaluation Report**

ISSUE DATE: 2023-07-01 00:00:00

EXPIRY DATE: 2025-07-01 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://icc-es.org/report-listing/esr-

CERTIFICATION AND COMPLIANCE NOTES: ESR-3016. Evaluation Subject: Cold-formed Steel Framing. Evaluation Scope includes compliance with the following codes: 2021, 2018, 2015, 2012 and 2009 International Building Code® (IBC); 2021, 2018, 2015, 2012 and 2009 International Residential Code® (IRC). Uses: The steel framing described in this report is used for framing of nonload-bearing interior walls, curtain walls and load-bearing walls, floor joists, ceiling joists and furring.

#### **EVALUATION REPORT**

## **ICC-ES Evaluation Report**

ISSUE DATE: 2024-01-01 00:00:00

EXPIRY DATE: 2025-01-01 00:00:00

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: City of Industry, CA 91746;

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

CERTIFICATE URL: https://icc-es.org/report-listing/esr-

4205/

CERTIFICATION AND COMPLIANCE NOTES: ESR-4205. Evaluation Subject: Steel C-Studs and Tracks. Evaluation Scope includes compliance with the following codes: 2021, 2018, and 2015 International Building Code® (IBC). Property evaluated: Structural. Uses: The C-sections, tracks and channels are used for joists, rafters, nonload-bearing interior walls, curtain walls, and load-bearing walls.

# 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.

#### **FURRING CHANNELS**

MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Used to furr-out during installation. As per ICC-ES Report ESR-3016, "Furring channels are cold-formed from galvanized steel coils conforming to ASTM A1003, Nonstructural Grade 33 (NS33), with a minimum metallic coating listed for Type NS in Table 1 of ASTM A1003." HPD Public Repository for more information and to download gypsum wallboard HPDs.

#### **U-CHANNELS**

MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Attach to studs during installation for bridging. According to the ICC-ES Reports ESR-3016 and ESR-4205: "U-channels are cold-formed from galvanized steel coils conforming to ASTM A653, SS Grade 33; or ASTM A1003, Structural Grade 33, Type H (ST33H), with a minimum metallic coating listed for Type H and Type L in Table 1 of ASTM A1003."

# Section 5: General Notes

CEMCO's structural framing products are manufactured to the strict tolerances set forth by the 2012, 2015, 2018, and 2021 IBC, and verified by ICC-ES ESR-3016 and ESR-4205; Structural Framing Members & Accessories Material Specification (ASTM) A1003/A653/A924; Product Specification (ASTM) C955; Coating Specification (ASTM) A1003/A653/A924.

#### **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.

#### KEY

### **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

