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 Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Children's Toy Products
SUBSTANCE NOTES:		

CARBON				ID: 7440-44-0
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: No	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	
%: 0.0100 - 0.0900	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
MUL	German FEA - Substances I 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 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 (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: No	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 lire [Specific target organs/systemic toxicity 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 I mixtures, which in contact with water, 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 (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 (C2CPII)	nnovation Institute		.0 Product Standard Restricted (RSL) - Effective July 1, 2022
			Children's Produ	cts
RESTRICTED LIST	Cradle to Cradle Products I (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: 7440-02-0
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: No	SUBSTANCE ROLE: Alloy element

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

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

SUBSTANCE NOTES:

CHROMIUM ID: 74	440-47-3
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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: No	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 Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Cosmetics and Personal Care Products

SUBSTANCE NOTES:

SILICON, ELEMENTAL				ID: 7	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: No	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: 7723-14-0
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 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 Substances List (RSL) - Effective July 1, 2022	
		Cosmetics & Personal Care Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 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: 7439-98- 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: No	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 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: No	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 [Pyrophoric solic	fire spontaneously if ds - Category 1]	exposed to air
PHY	GHS - Japan			ting;; may catch fire [s 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: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances F 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 Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 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: No	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 Substances List (RSL) - Effective July 1, 2022	
		Biological and Environmentally Released Materials	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
		Children's Products	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 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

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City of Industry, CA 91746

COUNTRY: USA

WEBSITE: www.cemcosteel.com

CONTACT NAME: Fernando Sesma
TITLE: Director of Technical Services

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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

