

CLASSIFICATION: 05 40 00 METALS (BEAMS): COLD-FORMED METAL FRAMING

PRODUCT DESCRIPTION: CEMCO EXTERIOR STRUCTURAL STUDS AND TRACK ARE MANUFACTURED FROM MILL CERTIFIED GALVANIZED PRIME STEEL, AND ARE DESIGNED FOR USE IN CURTAIN-WALL 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 ¼" TO 3 ½". 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 2015 AND 2012 IBC, AND VERIFIED BY ICC-ES ESR-3016; 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. ALSO INCLUDES CSI MASTERFORMAT 05 12 23 METALS (BEAMS): STRUCTURAL STEEL FOR BUILDINGS.

Section 1: Summary

CONTENT INVENTORY

Threshold per material <input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input type="radio"/> Other	Residuals and impurities considered in 1 of 1 materials <input checked="" type="radio"/> see Section 2: Material Notes <input type="radio"/> see Section 5: General Notes	Based on the selected Content Inventory Threshold: Characterized..... Are the Percent Weight and Role provided for all substances? Yes No Screened..... Are all substances screened using Priority Hazard Lists with results disclosed? Yes No Identified..... Are all substances disclosed by Name (Specific or Generic) and Identifier? Yes No
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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.

Number of Greenscreen BM-4/BM3 contents..... 0
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1
 Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

HOT-DIPPED GALVANIZED STEEL (G60) | STEEL ZINC
LT-P1 | AQU | RES | PHY |

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

Other: ICC-ES Evaluation Report

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: July 6, 2016	EXPIRY DATE*: July 6, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: July 6, 2016	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

HOT-DIPPED GALVANIZED STEEL (G60)%: **100.0000 - 100.0000**

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Steel is considered a Generic Commodity Material by the Health Product Declaration Collaborative. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials ("Special Conditions"), including Metal Alloys such as steel. This HPD will be updated as appropriate when the guidelines for Steel are released. No residuals or impurities are known or expected to be present in this material above the inventory threshold indicated. Passivation coatings for corrosion resistance are an industry standard for this type of material; however, the substances used for such coatings fall below the inventory threshold (0.1% or 1000 ppm) of the material, and are therefore not reported here.

STEEL

ID: 12597-69-2

%: 97.4000 - 99.1000

GS:

RC: Both

NANO: NO

ROLE: Base Metal

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: CEMCO cold-formed steel framing products contain 30% to 35% pre- and post-consumer recycled steel sourced from several domestic (USA) suppliers.

ZINC

ID: 7440-66-6

%: 0.9000 - 2.6000

GS: LT-P1

RC: None

NANO: NO

ROLE: Metallic Coating

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

PHYSICAL HAZARD
(REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD
(REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Form-specific hazards not expected to apply to the finished and installed product. However, further processing (e.g. welding, sawing, etc) during installation may release fumes or other respirable particles. The Safety Data Sheet (SDS) for Galvanized Sheet Steel can be found at <http://cemcosteel.com/cemco-specifications>.

**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.

OTHER**ICC-ES Evaluation Report**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: City of Industry, CA 91746 Pittsburg, CA 94565 Denver, CO
80204 Fort Worth, TX 76140
CERTIFICATE URL: www.icc-es.org/reports/pdf_files/ICC-ES/ESR-3016.pdf
CERTIFICATION AND COMPLIANCE NOTES: ESR-3016. Evaluation Subject: Cold-
formed Steel Framing. Evaluation Scope includes compliance with the following codes:
2015, 2012 International Building Code® (IBC); 2015, 2012 International Residential
Code® (IRC); 2013 California Building Code (CBC); 2013 California Residential Code
(CRC); 2014 and 2010 Florida Building Code—Building; 2014 and 2010 Florida Building
Code—Residential.

ISSUE	EXPIRY	CERTIFIER OR
DATE:	DATE:	LAB: ICC
2014-07-01	2016-07-01	Evaluation Service

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

HPD URL: No HPD available

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."

U-CHANNELS

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Attach to studs during installation for bridging. According to the ICC-ES Report ESR-3016: "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



MANUFACTURER INFORMATION

MANUFACTURER: CEMCO

CONTACT NAME: Fernando Sesma

ADDRESS: 263 North Covina Lane
City of Industry, CA 91746
USA

TITLE: Director of Technical Services

PHONE: 800.416.2278

WEBSITE: www.cemcosteel.com

EMAIL: fsesma@cemcosteel.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

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

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

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

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.