

Metal Lath with D-Paper by CEMCO

Health Product Declaration v2.1

CLASSIFICATION: 09 22 36.23 Metal Lath

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD covers CEMCO Metal Lath products with D-Paper, including Diamond Products (1.75, 2.5, and 3.4; Flat, Dimpled, and Grooved), and 1/8" Flat Rib Products (1/8" Riblath). All CEMCO Metal Lath products are produced from standard G60 hot-dipped galvanized steel, and meet or exceed industry standards. CEMCO's Metal Lath products are certified code compliant via ICC-ES ESR-1623.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities Considered in 3 of 3 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized

Percent Weight and Role Provided?

- Yes
- No

Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes
- No

Identified

Name and Identifier Provided?

- Yes
- No

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.

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

HOT-DIPPED GALVANIZED STEEL (G60) [STEEL (STEEL) NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY] D-PAPER [CELLULOSE PULP (CELLULOSE PULP) NoGS ASPHALT (ASPHALT) LT-1 | CAN UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-UNK | CAN] HOT MELT ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN PARAFFIN (PARAFFIN) LT-UNK UNDISCLOSED LT-UNK]

Number of Greenscreen BM-4/BM3 contents..... 0
Contents highest concern GreenScreen
Benchmark or List translator Score..... LT-1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, and discloses hazards associated with all known substances present at or above 1000 parts per million (ppm) in the finished product. Therefore, this HPD is consistent with 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 See Section 3 for additional listings.

Multi-attribute: Environmental Product Declaration (EPD) by UL
Other: ICC-ES Evaluation Report (ESR-1623)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-08-01
PUBLISHED DATE: 2017-08-10
EXPIRY DATE: 2020-08-01

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

HOT-DIPPED GALVANIZED STEEL (G60)

#: 55.0000 - 71.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present from this material above the inventory threshold indicated for the finished product that return a GS score of BM-1, LT-1 or LT-P1, based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: 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. 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 (STEEL)

ID: 12597-69-2

#: 97.4000 - 98.7000

GS: NoGS

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 37% pre- and post-consumer recycled steel sourced from several domestic (USA) suppliers. This substance is considered essentially inert for the purposes of Pharos toxics scoring (Pharos CML).

ZINC (ZINC)

ID: 7440-66-6

#: 1.3000 - 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

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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>.

D-PAPER

#: 28.1000 - 42.3000

HPD URL:

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present in this material above the inventory threshold indicated for the product that return a GS score of BM-1, LT-1 or LT-P1, based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Asphalt saturated "D-Paper" attached to metal lath using Hot Melt Adhesive.

CELLULOSE PULP (CELLULOSE PULP)

ID: 65996-61-4

%: **50.0000 - 75.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Liner Paper Substrate**

HAZARDS: AGENCY(I)ES WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance is considered essentially inert for the purposes of Pharos toxics scoring.

ASPHALT (ASPHALT)

ID: 8052-42-4

%: **25.0000 - 50.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Liner Paper Reinforcement**

HAZARDS: AGENCY(I)ES WITH WARNINGS:

CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Pharos CML lists all Known or Potential Residuals at less than 0.01%.

UNDISCLOSED

%: **0.5000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment; Filler**

HAZARDS: AGENCY(I)ES WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Warnings are restricted to respirable forms of this substance, and thus are not expected to apply when bound in the matrix of the finished product. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

%: **0.1000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS: AGENCY(I)ES WITH WARNINGS:

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient
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SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

HOT MELT ADHESIVE%: **4.3000 - 6.5000**

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present from this material above the inventory threshold indicated for the finished product that return a GS score of BM-1, LT-1 or LT-P1, based on information provided in supplier SDS and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Hot Melt Adhesive used to attach D-Paper to metal lath.

UNDISCLOSED%: **40.0000 - 45.0000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Adhesive Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED%: **39.5000 - 44.5000**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Adhesive Modifier**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed. May also include another undisclosed CASRN (NoGS; No warnings found on HPD Priority lists).

PARAFFIN (PARAFFIN)ID: **8002-74-2**%: **15.0000 - 20.0000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Adhesive Wax**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED%: **0.5000 - 0.5000**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Antioxidant**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed. This substance falls below the declared Inventory Threshold for the product.

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.

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: City of Industry, CA; Pittsburg, CA; Denver, CO; Forth Worth, TX

CERTIFICATE URL:

http://www.cemcosteel.com/sites/default/files/CEMCOs%20Environmental%20Product%20Declaration_EPD.pdf

ISSUE DATE	EXPIRY DATE	CERTIFIER OR LAB
2016-07-13	2021-07-13	UL Environment

CERTIFICATION AND COMPLIANCE NOTES: Declaration number: 4787356941.101.1. Environmental Product Declaration covers the following CEMCO Cold-Formed Steel Framing Systems, including: Structural Stud and Track (ICC-ES ESR 3016); ViperStud Interior Framing (ICC-ES ESR 2620); ProX Header (IAPMO ER-0286); SureBoard for Shear panels (IAPMO ER-0126); Sure-Span Floor Joist Framing System (ESR PENDING); CST/SLP-TRK, and FAS Track 1000 Brand Slotted Tracks (ICC-ES ESR 2012); USG SHAFTWALL Brand CH and H-Stud Studs and Track (AER 09038); Expanded Metal Lath Products (ICC-ES ESR 1623); Plastering Accessories (ICC-ES ESR 1623); Drywall/Interior Accessories (ICC-ES ESR 3016); Connectors, Clips, and Channels (ICC-ES ESR 3016).

OTHER

ICC-ES Evaluation Report (ESR-1623)

CERTIFYING PARTY: Third Party

APPLICABLE FACILITIES: All

CERTIFICATE URL: http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-1623.pdf

ISSUE DATE: 2015-05-01

EXPIRY DATE: 2019-05-01

CERTIFIER OR LAB: ICC Evaluation Services

CERTIFICATION AND COMPLIANCE NOTES: EVALUATION SUBJECT: CEMCO METAL LATH PRODUCTS. EVALUATION SCOPE: Compliance with the following codes: 2012, 2009 and 2006 International Building Code®; 2012, 2009 and 2006 International Residential Code®; 2013 Abu Dhabi International Building Code (ADIBC). Property evaluated: Physical properties. Products include: CEMCO 2.5 Expanded Diamond Mesh Metal Lath; CEMCO 2.5 Self-Furred Expanded Diamond Mesh Metal Lath; CEMCO 3.4 Expanded Diamond Mesh Metal Lath; CEMCO 3.4 Self-Furred Expanded Diamond Mesh Metal Lath; 1/8-inch Self-Furred Flat Rib Lath; 3/8-inch 3.4 Hi Rib Lath.

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.

No accessories are required for this product.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: **CEMCO**
ADDRESS: **13191 Crossroads Pkwy. North**
Suite 325
City of Industry CA 91746, USA
WEBSITE: **www.cemcosteel.com**

CONTACT NAME: **Fernando Sesma**
TITLE: **Director of Technical Services**
PHONE: **800.416.2278**
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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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 Terms

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 for compliance with the HPD standard noted.