

HPD UNIQUE IDENTIFIER: 26599

CLASSIFICATION: 09 22 36.23 Metal Lath

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

Table with 4 columns: Inventory Reporting Format, Threshold Level, Residuals/Impurities, and Explanation(s) provided for Residuals/Impurities? Includes options for reporting methods and threshold levels.

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®.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE
HOT-DIPPED GALVANIZED STEEL [STEEL NoGS ZINC LT-P1 | END | MUL | PHY | AQU] D-PAPER [SC:KRAFT PAPER Not Screened ASPHALT LT-1 | CAN UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-UNK | CAN] HOT MELT ADHESIVE [UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN 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:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2, and discloses hazards associated with all known substances present at or above 1000 parts per million (ppm) in the finished product.

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: CDPH Standard Method - Not tested
Other: ICC-ES Evaluation Report

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: 2021-11-22

PUBLISHED DATE: 2021-11-22

EXPIRY DATE: 2024-11-22

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

HOT-DIPPED GALVANIZED STEEL

#: 51.2000 - 67.6000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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 SDS and as predicted by process chemistry (Pharos CML). However, supplier SDS states the following: "All commercial steel products may contain small amounts of various elements in addition to those specified. These small quantities (less than 0.1%) may exist as intentional additions, or as "trace" or "residual" elements that generally originate in the raw materials used. These elements may include: aluminum, antimony, arsenic, boron, cadmium, calcium, chromium, cobalt, columbium, copper, lead, molybdenum, nickel, silicon, tin, titanium, vanadium, and zirconium."

OTHER MATERIAL NOTES: Standard G60 hot-dipped galvanized steel. 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.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:49**

%: **97.4000 - 98.7000** GS: **NoGS** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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. 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. Supplier reports the following composition of alloying elements: max 0.9% Manganese (7439-96-5; LT-P1); max 0.6% Carbon (7440-44-0; LT-UNK); max 0.6% Silicon (7440-21-3; LT-UNK); max 0.5% Copper (7440-50-8; LT-UNK); max 0.15% Phosphorus (8049-19-2; NoGS); max 0.1% Calcium (7440-70-2; LT-P1).

ZINC

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:52**

%: **1.3000 - 2.6000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]

SUBSTANCE NOTES: Form-specific hazards not expected to apply to the finished and installed product; however, further processing (e.g. welding, sawing) 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-submittal-creator>.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Paper or Cardboard

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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 SDS, and as predicted by process chemistry (Pharos CML).

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

SC:KRAFT PAPERID: **SC:Bio**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**%: **50.0000 - 75.0000** GS: **Not Screened** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: 65996-61-4

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

ASPHALTID: **8052-42-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:51**%: **25.0000 - 50.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans

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

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:54**%: **0.0000 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Warnings are restricted to respirable forms of this substance. 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. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:54**

#: **0.0000 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

HOT MELT ADHESIVE

#: **4.3000 - 6.5000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. 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 disclosure letters, supplier SDS, and/or as predicted by process chemistry (Pharos CML).

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

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:50**

#: **40.0000 - 45.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:51**

#: **39.5000 - 44.5000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Tackifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	CA EPA - Prop 65	Carcinogen

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. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

PARAFFIN

ID: **8002-74-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:52**

#: **15.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-11-22 15:12:53**

#: **0.5000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antioxidant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard 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. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

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	CDPH Standard Method – Not tested		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL:	ISSUE DATE: 2018-10-01	EXPIRY DATE:	CERTIFIER OR LAB: N/A
CERTIFICATION AND COMPLIANCE NOTES: This product has not been tested for VOC emissions in its final state. However, steel meets LEED® criteria for an “inherently non-emitting source”.			
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: https://icc-es.org/report-listing/esr-1623/	ISSUE DATE: 2021-05-01	EXPIRY DATE: 2023-05-01	CERTIFIER OR LAB: ICC Evaluation Service
CERTIFICATION AND COMPLIANCE NOTES: ESR-1623. 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

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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
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)	

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 for compliance with the HPD standard noted.