Cold-Formed Steel Framing by SCAFCO Steel Stud Company

Health Product Declaration v2.2

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 21441
CLASSIFICATION: 05 40 00 Cold-Formed Metal Framing
PRODUCT DESCRIPTION: SCAFCO Steel Stud Company is a manufacturer of a complete line of steel framing products and accessories. SCAFCO offers a complete line of studs, track, and furring products. These are complemented by our specialty products of custom shapes, curved track and angle, resilient sound channel, shaft wall studs, pony wall supports, and slide-clips. SCAFCO Steel Stud Company products meet or exceed the industry standard. SCAFCO only uses prime steel that is certified by the Mill to meet the requirements in minimum steel thickness, yield strength, tensile strength, galvanized coating and ductility/elongation. SCAFCO products will meet all applicable ASTM and AISI S100 standards.

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
- ( ) Other

Residuals/Impurities
Residuals/Impurities Considered in 1 of 2 Materials

Explanation(s) provided for Residuals/Impurities?
- (•) Yes ( ) No

All Substances Above the Threshold Indicated Are:

Characterized ( ) Yes Ex/SC (•) Yes ( ) No
% weight and role provided for all substances.

Screened ( ) Yes Ex/SC (•) Yes ( ) No
All substances screened using Priority Hazard Lists with results disclosed.

Identified ( ) Yes Ex/SC (•) Yes ( ) No
All substances disclosed by Name (Specific or Generic) and 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.

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

STEEL [IRON, ELEMENTAL LT-P1 | END CALCIUM LT-P1 | PHY CARBON LT-UNK COPPER LT-P1 | MUL MANGANESE LT-P1 | END | MUL | REP SILICON, ELEMENTAL LT-UNK SULFUR (POST-CONSUMER) LT-UNK | SKI IRON ALLOY, BASE, FE,P (FERROPHOSPHORUS) NoGS] METALLIC COATING [ZINC, ELEMENTAL LT-P1 | AQU | PHY | END | MUL ALUMINUM BM-1 | RES | PHY | END ANTIMONY, ELEMENTAL LT-1 | AQU | CAN IRON, ELEMENTAL LT-P1 | END LEAD BM-1 | DEV | CAN | PBT | REP | MUL | END | GEN]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Per steel mill certification and SDS.

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 nonemitting sources per LEED®
Multi-attribute: Environmental Product Declaration (EPD) by SCS

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: 2020-08-14
PUBLISHED DATE: 2020-08-14
EXPIRY DATE: 2023-08-14

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

STEEL

%: 90.0000 - 99.8500

PRODUCT THRESHOLD: 1000 ppm | RESIDUALS AND IMPURITIES CONSIDERED: No | MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Per supplier SDS , residuals and impurities are considered as follows: "All commercial [galvanized] steel products may contain small amounts of various elements in addition to those specified. These small quantities (less than 0.1% [cumulative]) may exist as intentional additions, or as “trace” or “residual” elements that generally originate in the raw materials used."

OTHER MATERIAL NOTES: These trace elements are often classified as "unintended trace amounts", as they are inherent elements.

IRON, ELEMENTAL

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-08-14

%: 90.0000 - 97.1100 | GS: LT-P1 | RC: Both | NANO: No | SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

CALCIUM

ID: 7440-70-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-08-14

%: 0.0000 - 0.1000 | GS: LT-P1 | RC: Both | NANO: No | SUBSTANCE ROLE: Alloy element

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES:

CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-08-14

%: **0.0000 - 0.6000** GS: **LT-UNK** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES:

COPPER

ID: **7440-50-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.5000** GS: **LT-P1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

MANGANESE

ID: **7439-96-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.9000** GS: **LT-P1** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES:

SILICON, ELEMENTAL

ID: **7440-21-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.6000** GS: **LT-UNK** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES:

SULFUR (POST-CONSUMER)

ID: 7704-34-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.0400** GS: **LT-UNK** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation

SUBSTANCE NOTES:

IRON ALLOY, BASE, FE,P (FERROPHOSPHORUS)

ID: 8049-19-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.1500** GS: **NoGS** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES:

METALLIC COATING

%: 0.1500 - 10.0000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Per supplier SDS , residuals and impurities are considered as follows: "All commercial [galvanized] steel products may contain small amounts of various elements in addition to those specified. These small quantities (less than 0.1% [cumulative]) may exist as intentional additions, or as “trace” or “residual” elements that generally originate in the raw materials used."

OTHER MATERIAL NOTES: These trace elements are often classified as "unintended trace amounts", as they are inherent elements.

ZINC, ELEMENTAL

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **91.0000 - 98.8000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

ALUMINUM

ID: **7429-90-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.5500** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

ANTIMONY, ELEMENTAL

ID: **7440-36-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.1100** GS: **LT-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man

SUBSTANCE NOTES:

IRON, ELEMENTAL

ID: **7439-89-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 8.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

LEAD

ID: **7439-92-1**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-08-14**

%: **0.0000 - 0.0400** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Galvanizing**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
DEVELOPMENTAL	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2a - Agent is probably Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Toxics Release Inventory PBTs	PBT
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
DEVELOPMENTAL	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CANCER	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
REPRODUCTIVE	GHS - Korea	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A [H360]
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
DEVELOPMENTAL	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity

SUBSTANCE NOTES:

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 nonemitting sources per LEED®**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: SCAFCO Locations: https://www.scafco.com/steel/contact/?nc=1596643682230
CERTIFICATE URL:

ISSUE DATE: 2018-01-05

EXPIRY DATE:

CERTIFIER OR LAB: LEED®

CERTIFICATION AND COMPLIANCE NOTES: As stated from LEED®: "Inherently nonemitting sources. Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants."

MULTI-ATTRIBUTE — **Environmental Product Declaration (EPD) by SCS**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: SCAFCO Locations: https://www.scafco.com/steel/contact/?nc=1596643682230
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide

ISSUE DATE: 2019-10-21

EXPIRY DATE: 2024-10-20

CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Declaration Number: SCS-EPD-05752 Product Description: SCAFCO Steel Stud Company manufactures cold-formed steel framing products from galvanized sheet steel measuring from 0.0147 to 0.127 inches thick. These products are produced with a variety of galvanized coating thicknesses ranging from G40 up to G185. These steel framing products include steel studs, tracks, furring members, headers and jambs, clips and connectors, and other accessories products. All SCAFCO products are made from the same quality mill certified galvanized sheet steel. These steel framing products are used in a variety of construction applications for both load bearing and non-load bearing conditions including, but not limited to: interior walls and ceiling systems, exterior walls, floor and roof framing, soffit framing, and other architectural features. These products are used for both commercial and residential construction.

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.

STEEL TAPPING SCREWS FOR COLD-FORMED STEEL FRAMING CONNECTIONS

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

ASTM C1513 covers steel self-drilling and self-piercing tapping screws for the connection of cold-formed steel members manufactured. ASTM C1513-18, Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections, ASTM International, West Conshohocken, PA, 2018, www.astm.org

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **SCAFCO Steel Stud Company**
ADDRESS: **2800 E Main Ave**
Spokane Washington 99220, United States
WEBSITE: **www.scafco.com**
CONTACT NAME: **Engineering Department**
TITLE: **Engineering Services**
PHONE: **(509) 343-9000**
EMAIL: **Technical@SCAFCO.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 (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.)
NoGS No GreenScreen.

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.