

**CLASSIFICATION:** 27 11 23 Communications Cable Management

**PRODUCT DESCRIPTION:** The Cablofil Wire Mesh Cable Management System – EZ Finish is a zinc electroplated steel mesh wire cable tray. Cablofil Wiremesh Cable Tray concept based upon performance, safety and economy; three qualities which make Cablofil Wiremesh Cable Tray system preferred by installers. Cablofil adapts to the most complex configurations, and its structure gives maximum strength for minimum weight. The ease of creating fittings, carried out on site, as well as the wide range of unique and universal accessories gives complete freedom in routing combined with exceptionally fast installation. This HPD includes the CF54/50 EZ, CF54/100 EZ, CF54 /150 EZ, CF54 /200 EZ, CF54 /300 EZ, CF54 /400 EZ, CF54 /450 EZ, CF54 /500 EZ, CF54 /600 EZ, CF105/100 EZ, CF105/150 EZ, CF105/200 EZ, CF105/300 EZ, CF105/400 EZ, CF105/450 EZ, CF105/500 EZ, CF105/550EZ, CF105/600 EZ, CF150/150 EZ, CF150/200 EZ, CF150/300 EZ, CF150/400 EZ, CF150/450 EZ, CF150/500 EZ, CF150/600 EZ. Variation among products is based on tray height and width, indicated by the first and second number (CFXXX/ XXX EZ) in millimeters.

## 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 6 of 6 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 not provided for all substances and/ or one or more Special Condition did not follow guidance.*

**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**

**CARBON STEEL ASTM A510 GRADE 1008 TRAY WIRE CORE [ IRON LT-P1**  
**END MANGANESE LT-P1 | END | MUL | REP COPPER LT-UNK SILICON**  
**LT-UNK NICKEL LT-1 | RES | CAN | SKI | MAM | MUL CHROMIUM LT-P1 |**  
**RES | END | SKI CARBON LT-UNK MOLYBDENUM LT-UNK SULFUR LT-**  
**UNK | SKI TIN LT-UNK PHOSPHORUS BM-2 | PHY | MAM NITROGEN NoGS**  
**ALUMINUM LT-P1 | RES | PHY | END VANADIUM LT-1 | MUL | CAN | GEN**  
**BORON LT-UNK ] CARBON STEEL ASTM A1011 CS TYPE A UNIVERSAL**  
**WALL BRACKET [ IRON LT-P1 | END MANGANESE LT-P1 | END | MUL |**  
**REP SILICON LT-UNK TITANIUM LT-UNK CARBON LT-UNK PHOSPHORUS**  
**BM-2 | PHY | MAM SULFUR LT-UNK | SKI ] STEEL EN 10132-1 SPLICE KIT [**  
**IRON LT-P1 | END MANGANESE LT-P1 | END | MUL | REP CARBON LT-**  
**UNK SILICON LT-UNK PHOSPHORUS BM-2 | PHY | MAM SULFUR LT-UNK |**  
**SKI ] ELECTROZINC ASTM B633 SC2 TYPE III PLATING [ ZINC LT-P1 | AQU**  
**| PHY | END | MUL ] COPPER ALLOY GROUNDING LUG [ COPPER LT-UNK**  
**SILICON LT-UNK ] CARBON STEEL ASTM A1011 CS TYPE A**  
**DIRECTIONAL CHANGE KIT [ IRON LT-P1 | END MANGANESE LT-P1 | END**  
**| MUL | REP CARBON LT-UNK SILICON LT-UNK PHOSPHORUS BM-2 | PHY**  
**| MAM SULFUR LT-UNK | SKI ]**

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:

All substances were screened down to 100 ppm.

**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: N/A

LCA: Product Environmental Profile - PEP ecopassport Programme

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2018-07-11**

PUBLISHED DATE: **2019-06-21**

EXPIRY DATE: **2021-07-11**



## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### CARBON STEEL ASTM A510 GRADE 1008 TRAY WIRE CORE

%: 60.91 - 87.47

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals. Material ranges based on tray diameter, included products are listed in the product description.

#### IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-07-11

%: 99.02 - 99.13

GS: LT-P1

RC: UNK

NANO: No

ROLE: Alloy Ingredient

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

SUBSTANCE NOTES: Substance range based on alloy composition.

#### MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-07-11

%: 0.34 - 0.35

GS: LT-P1

RC: UNK

NANO: No

ROLE: Alloy Ingredient

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	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance range based on alloy composition.

**COPPER**

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-11**%: **0.19 - 0.20**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Substance range based on alloy composition.****SILICON**

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-11**%: **0.10 - 0.11**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Substance range based on alloy composition.****NICKEL**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-11**%: **0.07 - 0.09**GS: **LT-1**RC: **UNK**NANO: **No**ROLE: **Alloy Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Substance range based on alloy composition.

## CHROMIUM

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.07 - 0.09**

GS: **LT-P1**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Substance range based on alloy composition.

## CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.05 - 0.06**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Substance range based on alloy composition.		

## MOLYBDENUM

ID: 7439-98-7

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2018-07-11</b>		
?: <b>0.02 - 0.03</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Alloy Ingredient</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Substance range based on alloy composition.				

## SULFUR

ID: 7704-34-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2018-07-11</b>		
?: <b>0.01 - 0.01</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Alloy Ingredient</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
SUBSTANCE NOTES: Substance range based on alloy composition.				

## TIN

ID: 7440-31-5

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2018-07-11</b>		
?: <b>0.01</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Alloy Ingredient</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

## PHOSPHORUS

ID: 7723-14-0

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2018-07-11</b>		
?: <b>0.01 - 0.01</b>	GS: <b>BM-2</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Alloy Ingredient</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: Substance range based on alloy composition.

## NITROGEN

ID: 7727-37-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-07-11		
%: 0.01 - 0.01	GS: NoGS	RC: UNK	NANO: No	ROLE: Alloy Ingredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Substance range based on alloy composition.

## ALUMINUM

ID: 91728-14-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-07-11		
%: 0.00	GS: LT-P1	RC: UNK	NANO: No	ROLE: Alloy Ingredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid		
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: Substance range based on alloy composition.

## VANADIUM

ID: 7440-62-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-07-11		
%: 0.00	GS: LT-1	RC: UNK	NANO: No	ROLE: Alloy Ingredient

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
GENE MUTATION	MAK	Germ Cell Mutagen 2

SUBSTANCE NOTES:

## BORON

ID: 7440-42-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.00 - 0.01** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## CARBON STEEL ASTM A1011 CS TYPE A UNIVERSAL WALL BRACKET

#: **3.99 - 14.97**

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.**

OTHER MATERIAL NOTES: **For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals. Material ranges based on tray diameter, included products are listed in the product description.**

## IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **98.23 - 98.66** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**



#: **0.50 - 0.60** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## SILICON

ID: **7440-21-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.45 - 0.50** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## TITANIUM

ID: **7440-32-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.27 - 0.30** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## CARBON

ID: **7440-44-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.10 - 0.12** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## PHOSPHORUS

ID: **7723-14-0**

#: **0.02 - 0.10** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

## AGENCY AND LIST TITLES

## WARNINGS

**PHYSICAL HAZARD (REACTIVE)**

EU - GHS (H-Statements)

H228 - Flammable solid

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: **Substance range based on alloy composition.****SULFUR**ID: **7704-34-9**

#: **0.01 - 0.05** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

## AGENCY AND LIST TITLES

## WARNINGS

**SKIN IRRITATION**

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES: **Substance range based on alloy composition.****STEEL EN 10132-1 SPLICE KIT**#: **2.60 - 3.91**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.**

OTHER MATERIAL NOTES: **For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals. Material ranges based on tray diameter, included products are listed in the product description.**

**IRON**ID: **7439-89-6**

#: **98.15 - 98.77** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

## AGENCY AND LIST TITLES

## WARNINGS

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **Substance range based on alloy composition.****MANGANESE**ID: **7439-96-5**

#: **0.60 - 0.90** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## 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**

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: **Substance range based on alloy composition.****CARBON**ID: **7440-44-0**

#: **0.48 - 0.55** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Substance range based on alloy composition.****SILICON**ID: **7440-21-3**

#: **0.15 - 0.35** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Substance range based on alloy composition.****PHOSPHORUS**ID: **7723-14-0**

#: **0.00 - 0.03** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

## HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**PHYSICAL HAZARD (REACTIVE)**

EU - GHS (H-Statements)

H228 - Flammable solid

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

SUBSTANCE NOTES: **Substance range based on alloy composition.**

**SULFUR**

ID: 7704-34-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-11**%: **0.00 - 0.02**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**SKIN IRRITATION****EU - GHS (H-Statements)****H315 - Causes skin irritation**SUBSTANCE NOTES: **Substance range based on alloy composition.****ELECTROZINC ASTM B633 SC2 TYPE III PLATING**%: **0.57 - 0.71**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.**OTHER MATERIAL NOTES: **Material ranges based on tray diameter, included products are listed in the product description.****ZINC**

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-07-11**%: **100.00**GS: **LT-P1**RC: **UNK**NANO: **No**ROLE: **Anti-Corrosion**

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:

**COPPER ALLOY GROUNDING LUG**%: **0.26 - 0.96**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals. Material ranges based on tray diameter, included products are listed in the product description.

### COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **90.00 - 100.00**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Substance range based on alloy composition.**

### SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **1.50**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

### CARBON STEEL ASTM A1011 CS TYPE A DIRECTIONAL CHANGE KIT

#: **0.00 - 18.68**

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: For end users, the health hazards listed for the Substances may not be as extreme as is presented since they are part of an alloy, and not individual chemicals. Material ranges based on usage, directional change kit not required for all installations.

### IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **99.30 - 99.47**

GS: **LT-P1**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Substance range based on alloy composition.

## MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.30 - 0.40** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

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**

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: Substance range based on alloy composition.

## CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.14 - 0.17** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance range based on alloy composition.

## SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.07 - 0.10** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance range based on alloy composition.

## PHOSPHORUS

ID: 7723-14-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

#: **0.01 - 0.02** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Alloy Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## SULFUR

ID: **7704-34-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-07-11**

%: **0.01 - 0.01**

GS: **LT-UNK**

RC: **UNK**

NANO: **No**

ROLE: **Alloy Ingredient**

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

SUBSTANCE NOTES: **Substance range based on alloy composition.**

## 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

N/A

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **All**

**01-01**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### LCA

**Product Environmental Profile - PEP ecopassport Programme**

CERTIFYING PARTY: **Third Party**

ISSUE DATE:

EXPIRY DATE:

CERTIFIER OR LAB: **PEP**

APPLICABLE FACILITIES: **Mascoutah, IL**

**2017-09-01**

**2022-09-01**

**Ecopassport**

CERTIFICATE URL: [http://register.pep-ecopassport.org/fileadmin/tx\\_pepmanagement/user\\_upload/LGRP-00513-V01.01-EN\\_pdfpep.pdf](http://register.pep-ecopassport.org/fileadmin/tx_pepmanagement/user_upload/LGRP-00513-V01.01-EN_pdfpep.pdf)

CERTIFICATION AND COMPLIANCE NOTES:

## 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.

**NO ADDITIONAL ACCESSORIES ARE REQUIRED FOR INSTALLATION.**

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All required installation accessories are included in the material inventory and are screened to 100 ppm.

## Section 5: General Notes

Health hazards were screened using the HPD Builder v2.1. Variation among products included in this HPD is based on diameter of the wire mesh tray. Included products are detailed in the product description.





## MANUFACTURER INFORMATION

MANUFACTURER: **Legrand**

ADDRESS: **8319 State Route 4**

**Mascoutah Illinois 62258, USA**

WEBSITE: **www.legrand.us**

CONTACT NAME: **James W. Forte, P.E.**

TITLE: **EWS Compliance Engineer**

PHONE: **18602633108**

EMAIL: **jim.forte@legrand.us**

## 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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### 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 (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

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

**NoGS** 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 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.*