Cable Ladder for Electrical Systems by Philip Grahame Int Ltd

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 26 05 36 Cable Ladders for Electrical Systems

PRODUCT DESCRIPTION: Cable Ladder manufactured from galvanized steel for the support and distribution of power and data cables.

Section 1: Summary

Nested Method / Material 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 0 of 1 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

GALVANIZED STEEL [STEEL NoGS]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The products consists of 100% steel and zinc.

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: ISO 14001:2004 Environmental management systems
Management: ISO 9001:2015 Quality management systems
Management: ISO 14001:2004 Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- ( ) Yes
- (•) No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-01-10
PUBLISHED DATE: 2020-01-10
EXPIRY DATE: 2023-01-10

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

GALVANIZED STEEL

%: 100.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Substance Type of limit Reference period 8hr TWA 15 min STEL (mg m-3) (mg m-3) Iron Oxide, fume (as Fe) Workplace exposure limit 5 10 Manganese and inorganic compounds Workplace exposure limit 0.5 - Zinc oxide, respirable dust/fume Guidance value 23 10 Chromium metal and compounds (Cr) Workplace exposure limit 0.05 - Lead and lead compounds Occupational exposure 0.15 - Antimony and its compounds Workplace exposure limit 0.5 - Titanium dioxide, inhalable dust/fume Workplace exposure limit 10 - Titanium dioxide, respirable dust/fume Workplace exposure limit 4 - Carbon monoxide Occupational exposure limit 30ppm 200ppm TWA – Time weighted Average STEL – Short term exposure

HPD URL: https://www.tatasteeleurope.com/en/products/engineering/metallic-coated

OTHER MATERIAL NOTES: All products consist of 100% pre-galvanized steel.All substances in this material are below the reportable threshold.

STEEL

ID: 12597-69-2

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

HAZARD SCREENING DATE: **2020-01-10**

%: **100.00** GS: **NoGS** RC: **Both** NANO: **No** ROLE: **Base material**

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

SUBSTANCE NOTES: In the production of steel there is a 41.1% content of recycled steel used. Post manufacture the material is 100% recyclable.

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 — **ISO 14001:2004 Environmental management systems**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Philip Grahame International Ltd Montrose Road Dukes Park Industrial Estate Chelmsford Essex CM2 6TE
CERTIFICATE URL:

ISSUE DATE: 2019-10-01
EXPIRY DATE:
CERTIFIER OR LAB: BSI

CERTIFICATION AND COMPLIANCE NOTES: The product is classified as zero emissions since it is entirely made of steel which is pre-galvanized.

MANAGEMENT — **ISO 9001:2015 Quality management systems**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Philip Grahame International Ltd Montrose Road Dukes Park Industrial Estate Chelmsford Essex CM2 6TE
CERTIFICATE URL:

ISSUE DATE: 2017-10-01
EXPIRY DATE: 2020-09-30
CERTIFIER OR LAB: BSI

CERTIFICATION AND COMPLIANCE NOTES: BSI certified ISO9001:2015 Certificate no. FM 40329

MANAGEMENT — **ISO 14001:2004 Environmental management systems**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Philip Grahame International Ltd Montrose Road Dukes Park Industrial Estate Chelmsford Essex CM2 6TE
CERTIFICATE URL:

ISSUE DATE: 2019-09-20
EXPIRY DATE: 2022-09-19
CERTIFIER OR LAB: BSI

CERTIFICATION AND COMPLIANCE NOTES: BSI 14001:2015 Certificate no. EMS 595471

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

The entire product range is manufactured from pre-galvanized steel. There are no added chemicals used in the production of the product and is therefore the can be no residues.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Philip Grahame Int Ltd**
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Montrose Road
Chelmsford Essex CM2 6TE, UK
WEBSITE: **http://www.philipgrahame.co.uk**

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TITLE: **Technical Director**
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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 (insuficient 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.