

HPD UNIQUE IDENTIFIER: 28645

CLASSIFICATION: 22 10 00 Plumbing Piping

PRODUCT DESCRIPTION: Free-cutting brass, as manufactured by a Copper Development Association member, per ASTM B16. ASTM B16 establishes the requirements for free-cutting brass rod, bar, wire, and shapes of any specified cross section produced from copper alloy Unified Numbering System (UNS) Nos. C36000 or C36010 suitable for high-speed screw machining applications and moderate thread rolling. Additional Classifications can be found in Section 5: General Notes.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|--|---|---|
| <p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method</p> <p><input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p> | <p>Threshold Level</p> <p><input type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input checked="" type="radio"/> Other</p> | <p>Residuals/Impurities</p> <p>Considered in 2 of 2 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and Identifier.</i></p> |
|--|--|---|---|

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
UNS C36000 COPPER ALLOY [COPPER LT-UNK ZINC LT-P1 | END | MUL | PHY | AQU LEAD BM-1 | END | PBT | REP | MUL | CAN | DEV | GEN IRON LT-P1 | END] UNS C36010 COPPER ALLOY [COPPER LT-UNK ZINC LT-P1 | END | MUL | PHY | AQU LEAD BM-1 | END | PBT | REP | MUL | CAN | DEV | GEN IRON LT-P1 | END]

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:

Special Conditions applied: [MetalAlloy]. The product formulation was created using the ASTM standard to identify acceptable copper alloys. The formulation of each of these alloys was generated from the UNS designation, as found at www.unscopperalloys.org, duplicated in the Toxnot Shared Materials library. The specific material formulation should be obtained directly from the manufacturer of the product chosen. Metal alloys have different intrinsic characteristics than their alloying elements encapsulated therein, including health and environmental hazards. As such, alloys are generally expected to have different hazards than their alloying elements. All GreenScreen BenchMark scores are supplied by the Pharos database.

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 non-emitting source per LEED

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER: WAP Sustainability Consulting

VERIFICATION #: zPr-13945

SCREENING DATE: 2021-12-12

PUBLISHED DATE: 2022-06-08

EXPIRY DATE: 2024-12-12

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

UNS C36000 COPPER ALLOY %: 100.0000 - 100.0000

PRODUCT THRESHOLD: Other RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Defined by UNS per Metal Alloy special condition

OTHER MATERIAL NOTES: This formulation was generated based on the UNS designation for the alloy as found at www.unscopperalloys.org, duplicated in the Toxnot Shared Materials library. Metal alloys have different intrinsic characteristics than their alloying elements, including health and environmental hazards. As such, alloys are generally expected to have different hazards than their alloying elements. This alloy is one in a list of multiple alloys that may be used to meet the product standard and, as such, shall be treated as an alternate of all other alloys listed in this HPD. Cu + Sum of Named Elements 99.5% min.

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-12-12 19:47:57

%: 60.0000 - 65.0000 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: Pre Consumer Recycled Content Products: Recyclable copper and brass materials generated during production which is recycled within the plant where it originates, or bought back from customers or scrap dealers (e.g., chips, turnings, and solids from machining operations). Post Consumer Recycled Content Products: Scrap brass pipes, shell casings, and uniform products from large-scale demolition (e.g., water meters, fittings, and fixtures)

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-12-12 19:47:58

%: 30.0000 - 40.0000 GS: LT-P1 RC: UNK NANO: No SUBSTANCE ROLE: Alloy element

| 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: Zn is the remainder after all the other alloying elements are included.

LEAD

ID: 7439-92-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-12 19:47:59**

#: **0.0000 - 5.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|--|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action |
| REP | EU - SVHC Authorisation List | Toxic to reproduction - Candidate list |
| PBT | OR DEQ - Priority Persistent Pollutants | Priority Persistent Pollutant - Tier 1 |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| CAN | CA EPA - Prop 65 | Carcinogen |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| CAN | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man |
| CAN | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
| DEV | G&L - Neurotoxic Chemicals | Developmental Neurotoxicant |
| CAN | US EPA - IRIS Carcinogens | (1986) Group B2 - Probable human Carcinogen |
| CAN | IARC | Group 2a - Agent is probably Carcinogenic to humans |
| DEV | CA EPA - Prop 65 | Developmental toxicity |
| PBT | US EPA - Priority PBTs (NWMP) | Priority PBT |
| PBT | WA DoE - PBT | PBT |
| PBT | US EPA - Toxics Release Inventory PBTs | PBT |

| | | |
|-----|--|---|
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity |
| REP | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity |
| REP | EU - REACH Annex XVII CMRs | Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans |
| REP | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |
| GEN | MAK | Germ Cell Mutagen 3a |
| REP | CA EPA - Prop 65 | Reproductive Toxicity - Female |
| REP | CA EPA - Prop 65 | Reproductive Toxicity - Male |
| REP | GHS - New Zealand | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CAN | GHS - Korea | H350 - May cause cancer [Carcinogenicity - Category 1] |
| REP | GHS - Korea | H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1] |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A] |
| DEV | GHS - Australia | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B] |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1 | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation] |

SUBSTANCE NOTES:

IRON

ID: 7439-89-6

| | | | |
|--------------------------|---------------------------------------|-------------------------------|---------------------|
| HAZARD SCREENING METHOD: | Pharos Chemical and Materials Library | HAZARD SCREENING DATE: | 2021-12-12 19:48:00 |
| %: | 0.0000 - 1.0000 | GS: | LT-P1 |
| | | RC: | UNK |
| | | NANO: | No |
| | | SUBSTANCE ROLE: | Alloy element |
| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS | |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor | |

SUBSTANCE NOTES: This is a residual element in the alloy.

UNS C36010 COPPER ALLOY

%: 100.0000 - 100.0000

PRODUCT THRESHOLD: Other RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Defined by UNS per Metal Alloy special condition

OTHER MATERIAL NOTES: This formulation was generated based on the UNS designation for the alloy as found at www.unscopperalloys.org, duplicated in the Toxnot Shared Materials library. Metal alloys have different intrinsic characteristics than their alloying elements, including health and environmental hazards. As such, alloys are generally expected to have different hazards than their alloying elements. This alloy is one in a list of multiple alloys that may be used to meet the product standard and, as such, shall be treated as an alternate of all other alloys listed in this HPD. Cu + Sum of Named Elements 99.5% min.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-12 19:47:58**%: **60.0000 - 65.0000** 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: Pre Consumer Recycled Content Products: Recyclable copper and brass materials generated during production which is recycled within the plant where it originates, or bought back from customers or scrap dealers (e.g., chips, turnings, and solids from machining operations). Post Consumer Recycled Content Products: Scrap brass pipes, shell casings, and uniform products from large-scale demolition (e.g., water meters, fittings, and fixtures)

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-12 19:47:59**%: **30.0000 - 40.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

| 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: Zn is the remainder after all the other alloying elements are included.

LEAD

ID: 7439-92-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-12 19:48:00**%: **0.0000 - 5.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|--|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action |
| REP | EU - SVHC Authorisation List | Toxic to reproduction - Candidate list |
| PBT | OR DEQ - Priority Persistent Pollutants | Priority Persistent Pollutant - Tier 1 |
| MUL | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |

| | | |
|-----|--|---|
| CAN | CA EPA - Prop 65 | Carcinogen |
| CAN | IARC | Group 2b - Possibly carcinogenic to humans |
| CAN | MAK | Carcinogen Group 2 - Considered to be carcinogenic for man |
| CAN | US NIH - Report on Carcinogens | Reasonably Anticipated to be Human Carcinogen |
| DEV | G&L - Neurotoxic Chemicals | Developmental Neurotoxicant |
| CAN | US EPA - IRIS Carcinogens | (1986) Group B2 - Probable human Carcinogen |
| CAN | IARC | Group 2a - Agent is probably Carcinogenic to humans |
| DEV | CA EPA - Prop 65 | Developmental toxicity |
| PBT | US EPA - Priority PBTs (NWMP) | Priority PBT |
| PBT | WA DoE - PBT | PBT |
| PBT | US EPA - Toxics Release Inventory PBTs | PBT |
| DEV | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity |
| REP | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity |
| REP | EU - REACH Annex XVII CMRs | Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans |
| REP | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |
| GEN | MAK | Germ Cell Mutagen 3a |
| REP | CA EPA - Prop 65 | Reproductive Toxicity - Female |
| REP | CA EPA - Prop 65 | Reproductive Toxicity - Male |
| REP | GHS - New Zealand | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CAN | GHS - Korea | H350 - May cause cancer [Carcinogenicity - Category 1] |
| REP | GHS - Korea | H360 - May damage fertility or the unborn child [Reproductive toxicity - Category 1] |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A] |
| DEV | GHS - Australia | H360Df - May damage the unborn child. Suspected of damaging fertility [Reproductive toxicity - Category 1A or 1B] |
| REP | EU - GHS (H-Statements) Annex 6 Table 3-1 | H360FD - May damage fertility. May damage the unborn child [Reproductive toxicity - Category 1A or 1B] |
| DEV | EU - GHS (H-Statements) Annex 6 Table 3-1 | H362 - May cause harm to breast-fed children [Reproductive toxicity, effects on or via lactation] |

SUBSTANCE NOTES:

IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-12-12 19:48:01**

‰: **0.0000 - 1.0000**

GS: **LT-P1**

RC: **UNK**

NANO: **No**

SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: This is a residual element in the alloy.

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 non-emitting source per LEED |
|-------------------------------------|---|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2021-12- EXPIRY DATE: |
| APPLICABLE FACILITIES: All | 13 |
| CERTIFICATE URL: | CERTIFIER OR LAB: Self-declared |
| 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.

Section 5: General Notes

Substance ranges within the HPD are due to the variability in the UNS formulations. This HPD is meant to provide likely formulations of copper products found within the ASTM standard and lists the copper alloy(s) referenced in that standard. Manufacturers should be contacted to obtain a true disclosure for the product in question.

A list of Copper Development Association members can be found at <https://www.copper.org/about/cda-members.html>.

With the maximum machinability rating of 100, high yield strength, good corrosion resistance and high scrap value, brass rod is the premier material for precision parts machined from bar stock. The high-speed machining capabilities of brass rod enable full utilization of advanced production technology, which allows manufacturers to increase productivity and profitability. Brass rod is made almost entirely from recycled content and most post-processing brass scrap holds 75 to 90 percent of its original value. The high scrap value of brass creates recycling incentives which support sustainable development and allow manufacturers to recoup raw material costs. Additional information is available at www.highspeedmachiningbrass.com.

Related Construction Specifications Institute MasterFormat designations include the following. These are provided as a general guideline; other sections may apply: 22 40 00 Plumbing Fixtures.

MANUFACTURER INFORMATION

MANUFACTURER: Copper Development Association
ADDRESS: 7918 Jones Branch Dr. #300
McLean VA 22102, USA
WEBSITE: copper.org

CONTACT NAME: Erin Smith
TITLE: Project Manager, Material Stewardship (US)
PHONE: 212-251-7247
EMAIL: sustainability@copperalliance.us

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) | |
| 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) | 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.