



SCREENING DATE: 2025-08-11
PUBLISHED DATE: 2025-11-07
EXPIRY DATE: 2028-08-11
PREPARER: Self-Prepared
VERIFIER: EUROCERT
VERIFICATION #: o4n-25693

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 53893509789696

HPD UNIQUE PRODUCT ID: Not provided.

CLASSIFICATION: 03 21 00 Reinforcement Bars

PRODUCT DESCRIPTION: The Carbon Steel Reinforcing Bar produced by Solb Tihama Steel Products Company is a premium-grade construction material designed for strength, durability, and compliance with international standards. Manufactured in Jeddah, Saudi Arabia, these rebars are available in all sizes and meet international standards for industrial, commercial, residential and infrastructure buildings. Each grade has a wide variety of diameters from which you can choose. You can also order according to your specifications. Our adherence to both international and local safety standards means that we can guarantee our customers that every product we manufacture has met all the required health and safety specifications. The deformed rebar is certified in regards to their chemical and physical properties. This means that we produce only the highest quality standards of rebar products.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format → Nested Materials Method	Residuals/Impurities Evaluation Completed in 1 of 1 Materials
Threshold Disclosed Per → Product	Explanation(s) provided for Residuals/Impurities? Yes
Threshold Level → 100 ppm	

<i>For all contents above the threshold, the manufacturer has:</i>	
Characterized <i>Provided weight and role.</i>	Yes
Screened <i>Provided screening results using HPDC-approved methods.</i>	Yes
Identified <i>Provided name and CAS RN or other identifier.</i>	No

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
CARBON STEEL REINFORCING BAR | IRON, ELEMENTAL LT-P1
END **MANGANESE LT-P1** END | MUL | REP | MAM | AQU
TECHNICAL/OTHER NAMES THAT MATCH YOUR QUERY: NoGS
CARBON LT-UNK SILICON, ELEMENTAL LT-UNK CHROMIUM LT-P1
END | SKI | MAM | REP | RES **PHOSPHORUS BM-2** | MAM | PHY | EYE
| AQU | SKI **SULFUR, PRECIPITATED LT-UNK** | SKI | MAM **NITROGEN NoGS BORON NoGS**

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 3.0 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD is consistent with the LEED v4.1 MR Credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

PFAS DETAILS:
This product does **not** contain intentionally added PFAS and materials and substances from suppliers are verified to **not** contain PFAS.

Attestation:

2025-10-25

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method - Not tested

Management: ISO 9001:2015 Quality management systems

LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

Management: ISO 14001:2015 - Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4.1 Option 1.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

CARBON STEEL REINFORCING BAR

%: 100.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Solb Tihama Steel Products Company worked with the HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

OTHER MATERIAL NOTES: NA

IRON, ELEMENTAL

ID: 7439-89-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-13 1:27:52

%: 97.0000 - 98.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Primary structural metal in rebar. Provides compressive strength and forms the matrix for alloying elements that tailor mechanical properties.

MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2025-08-13 1:18:43

%: 0.6200 - 0.8500

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products

SUBSTANCE NOTES: Improves toughness and wear resistance. Essential for balancing sulfur content and ensuring ductility in rebar subjected to bending and forming.

TECHNICAL/OTHER NAMES THAT MATCH YOUR QUERY:
ID: **Not registered**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-08-13 1:25:29	
%: 0.3700 - 0.5000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Carbon Equivalent (CEQ) - A calculated index used to assess weldability of rebar. Combines effects of C, Mn, Si, Cr, etc. Critical for ensuring safe welding practices in reinforced concrete structures.		

CARBON

ID: 7440-44-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-08-13 1:15:48		
%: 0.1800 - 0.3000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List	
			Antimicrobials	
SUBSTANCE NOTES: Key to achieving required yield strength and hardness in rebar. Higher carbon improves strength but reduces weldability and ductility—critical for seismic zones and welded mesh.				

SILICON, ELEMENTAL

ID: 7440-21-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-08-13 1:17:40		
%: 0.1500 - 0.3000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Used as a deoxidizer during steelmaking. Enhances tensile strength and contributes to uniform grain structure—important for consistent mechanical performance in rebar.				

CHROMIUM

ID: 7440-47-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-08-13 1:24:17		
%: 0.0016 - 0.2000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
REP	GHS - New Zealand	Reproductive toxicity category 2
RES	GHS - Japan	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products
SUBSTANCE NOTES: Occasionally added to enhance corrosion resistance in rebar exposed to aggressive environments (e.g. marine or de-icing salts). Not typical in standard grades.		

PHOSPHORUS

ID: 7723-14-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-08-13 1:22:34	
%: 0.0090 - 0.0600	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Impurity

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
PHY	GHS - New Zealand	Pyrophoric solids category 1
EYE	GHS - New Zealand	Serious eye damage category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
SKI	GHS - New Zealand	Skin corrosion category 1A
MAM	GHS - New Zealand	Acute dermal toxicity category 1
MAM	GHS - New Zealand	Acute inhalation toxicity category 1
MAM	GHS - New Zealand	Acute oral toxicity category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Cosmetics and Personal Care Products

SUBSTANCE NOTES: Typically minimized in rebar. Excess phosphorus can cause embrittlement and reduce weld quality, especially in cold climates or dynamic load conditions.

SULFUR, PRECIPITATED				ID: 7704-34-9
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-08-13 1:20:54	
%: 0.0150 - 0.0430	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Impurity
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
SKI	GHS - New Zealand	Skin irritation category 2		
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

SUBSTANCE NOTES: Controlled to avoid brittleness. While trace amounts may aid machinability, elevated sulfur levels compromise impact resistance—undesirable in structural rebar.

NITROGEN

ID: 7727-37-9

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-08-13 1:23:28	
%: 0.0050 - 0.0120	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Impurity
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety		

SUBSTANCE NOTES: Present in trace amounts. Can increase yield strength but may cause strain aging and reduced ductility—relevant for rebar used in high-stress or welded applications.

BORON

ID: 14798-13-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-09-03 23:11:52	
%: 0.0000 - 0.0008	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Added in trace amounts to improve hardenability and strength through grain refinement. Common in high-strength rebar grades (e.g. ASTM A615 Grade 80) for weldability and toughness.

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	
COMPLIANCE TYPE: Self-declared CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Jeddah COMPLIANCE URL: COMPLIANCE NOTES:	ISSUE DATE: 2025-08-13	EXPIRY DATE: No expiration
MANAGEMENT	ISO 9001:2015 Quality management systems	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: ANS System Certification Private Limited COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Jeddah COMPLIANCE URL: COMPLIANCE NOTES: This certification covers manufacturing & sales of steel billets and deformed steel bars. Certificate Registration Number: CN-QMS-15251045 Accreditation Number: CB - MS - 5638	ISSUE DATE: 2024-11-28	EXPIRY DATE: 2027-11-27
LCA	Environmental Product Declaration (EPD) by UL - Industry Generic	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: CARES COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Jeddah COMPLIANCE URL: COMPLIANCE NOTES: This Environmental Product Declaration (EPD) was done for Carbon Steel Reinforcing Bar in accodance with ISO 14025:2010 and EN 15804:2012 + A2:2019/AC2021 and BRE Global PCR for Type III EPD of Construction Products to EN 15804+A2. PN514 3.1. EPD Number: CARES EPD No. 0021	ISSUE DATE: 2025-05-02	EXPIRY DATE: 2028-05-01
MANAGEMENT	ISO 14001:2015 - Environmental management systems	
COMPLIANCE TYPE: Third Party CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: ANS System Certification Private Limited COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Jeddah COMPLIANCE URL: COMPLIANCE NOTES: This certification (ISO 14001:2015) covers the manufacturing & sales of steel billets and deformed steel bars. Certificate Registration Number: CN-EMS-15251046 Accreditation Number: CB - MS - 5635	ISSUE DATE: 2024-11-28	EXPIRY DATE: 2027-11-27
MULTI-ATTRIBUTE	test certificate	

COMPLIANCE TYPE: Third-party certification

CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Saudi Standards, Metrology and Quality Organization

COMPLIANCE DETAILS:

COMPLIANCE SCOPE:

APPLICABLE FACILITIES: Jeddah

COMPLIANCE URL:

https://www.solbsteel.com/certifications

COMPLIANCE NOTES: Due to the unavailability of SASO Quality Mark certificate with ASTM A615M:2023 in the HPD database, "test certificate" entry was selected to avoid any confusion between the ASTM standards. This SASO certificate (with license number:20240598853) has been issued for Carbon Steel Reinforcing Bar of sizes (12, 14, 16, 20, 25, 32)mm. The type of SASO certificate is - SASO ASTM A615M:2023

ISSUE DATE: 2024-01-25

EXPIRY DATE: 2027-01-25

RECYCLED CONTENT	test certificate	
COMPLIANCE TYPE: Self-declaration CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Solb Tihama Steel Products Company COMPLIANCE DETAILS: COMPLIANCE SCOPE: APPLICABLE FACILITIES: Jeddah COMPLIANCE URL: COMPLIANCE NOTES: This recycled content certificate was self-certified by Solb Tihama Steel Products Company on August 3, 2025, for Carbon Steel Reinforcing Bar. Due to the unavailability of self-declared recycled products in the HPD database, we have chosen "test certificate". Our long products, deformed steel bars of sizes 12mm to 32mm, are produced as per SASO ASTM A615/A615M Grade 60 2023 at Solb Tihama Products Company using 100% recycled steel.	ISSUE DATE: 2025-08-03	EXPIRY DATE: 2026-08-02

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

Solb Tihama Steel Products Company is a leading steel manufacturer based in Jeddah, Saudi Arabia, specializing in high-quality reinforcing solutions for the construction industry. With a strategic location in the 3rd Industrial Area and a commitment to innovation, Solb Tihama combines advanced production technologies with rigorous quality control to serve both domestic and regional markets. The company operates with a strong focus on sustainability, leveraging both scrap-based and Direct Reduced Iron (DRI) routes to optimize resource efficiency and reduce environmental impact. Solb's products have been trusted in some of the Kingdom's most iconic infrastructure projects, reflecting its reputation for reliability, technical excellence, and alignment with global standards.

The Carbon Steel Reinforcing Bar produced by Solb Tihama Steel Products Company is a premium-grade construction material designed for strength, durability, and compliance with international standards. Manufactured in Jeddah, Saudi Arabia, these rebars are available in all sizes and meet international standards for industrial, commercial, residential and infrastructure buildings. Each grade has a wide variety of diameters from which you can choose. You can also order according to your specifications. Our adherence to both international and local safety standards means that we can guarantee our customers that every product we manufacture has met all the required health and safety specifications. The deformed rebar is certified in regards to their chemical and physical properties. This means that we produce only the highest quality standards of rebar products.

MANUFACTURER INFORMATION

MANUFACTURER: **Solb Tihama Steel Products Company**
 ADDRESS: **9511**
Jeddah, Saudi Arabia 24123
 COUNTRY: **Kingdom of Saudi Arabia**

WEBSITE: **www.solbtihama.com**
 CONTACT NAME: **Mohammad Amir Arsalan**
 TITLE: **QA/QC Manager**
 PHONE: **+966 590632709**
 EMAIL: **m.arsalan@solbtihama.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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.