

HPD UNIQUE IDENTIFIER: 425837294592

CLASSIFICATION: 05 12 00 Structural Steel Framing

PRODUCT TYPE: Ferrous Metal Rigid Profiles

Ferrous Metal Rigid Profiles, Structural Steel

Ferrous Metal Rigid Profiles, Steel Channel (C)

Ferrous Metal Rigid Profiles, Steel Angle (L)

Ferrous Metal Rigid Profiles, Steel Wide Flange (W)

PRODUCT DESCRIPTION: SULB produces a wide range of hot-rolled structural steel sections designed for use in construction, infrastructure, and industrial applications. These sections provide high strength, durability, and versatility, meeting a variety of international standards including ASTM, EN, AS/NZS, IS and JIS. The product range covers beams, equal leg angles, channels, and flat bars, with dimensions, tolerances, and grades tailored to meet regional and project-specific requirements. Product Range: -Beams: W Shapes (ASTM), SOLAR Beams (SULB), Universal Beams (UB), Parallel Flange I-Beams (IPE), Wide Flange H-Beams (HE), and H-Beams per Japanese. -Equal Leg Angles: L-sections per EN, IS, and JIS specifications. -Channels: UPN, UPSL, and JIS channel sections. -Flat Bars: Available in a variety of widths and thicknesses per EN, IS, and SULB specifications. Products are available in multiple grades such as A36, A992, A572-GR50/60/65, S235JR, S275JR/J0/J2, S355/JR/J0/J2, SM400/SM540, SS400/SS540, and other equivalent grades, with cut lengths ranging from 6 m up to 13 m depending on section type and standard. This extensive range ensures suitability for a broad spectrum of structural and architectural applications.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                    | Threshold Level                          | Residuals/Impurities Evaluation                               |                                                                                    |
|-----------------------------------------------|------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|
| <input type="radio"/> Nested Materials Method | <input checked="" type="radio"/> 100 ppm | <input checked="" type="radio"/> Completed                    | For all contents above the threshold, the manufacturer has:                        |
| <input checked="" type="radio"/> Basic Method | <input type="radio"/> 1,000 ppm          | <input type="radio"/> Partially Completed                     | <b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No |
|                                               | <input type="radio"/> Per GHS SDS        | <input type="radio"/> Not Completed                           | Provided weight and role.                                                          |
| Threshold Disclosed Per                       | <input type="radio"/> Other              | Explanation(s) provided :                                     | <b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No      |
| <input type="radio"/> Material                |                                          | <input checked="" type="radio"/> Yes <input type="radio"/> No | Provided screening results using HPDC-approved methods.                            |
| <input checked="" type="radio"/> Product      |                                          |                                                               | <b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No    |
|                                               |                                          |                                                               | Provided name and CAS RN or other 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

UNITED SULB COMPANY (SAUDI SULB) LLC - HOT-ROLLED STRUCTURAL STEEL [ IRON, ELEMENTAL (PRIMARY CASRN IS 7439-89-6) LT-P1 ] END MANGANESE LT-P1 ] END | MUL | REP | MAM | AQU NICKEL LT-1 ] CAN | RES | MAM | SKI | AQU CHROMIUM LT-P1 ] END | SKI | MAM | REP | RES CARBON LT-UNK SILICON, ELEMENTAL LT-UNK COPPER LT-P1 ] MUL | AQU | MAM VANADIUM, ELEMENTAL LT-1 ] MUL | CAN | GEN AA 6560 ALUMINUM ALLOY LT-P1 ] END | MAM | PHY PHOSPHORUS BM-2 ] MAM | PHY | EYE | AQU | SKI SULFUR, PRECIPITATED LT-UNK ] SKI | MAM ]

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1

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.

All interior components of the product have been thoroughly screened through a detailed Life Cycle Assessment (LCA) and are documented in the Substances and Materials section of the Health Product Declaration (HPD).

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

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-08-15

PUBLISHED DATE: 2025-08-28

EXPIRY DATE: 2028-08-15

## 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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### UNITED SULB COMPANY (SAUDI SULB) LLC - HOT-ROLLED STRUCTURAL STEEL

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes |
| RESIDUALS AND IMPURITIES NOTES: The steel sections may contain residual elements inherent to the steelmaking process, present in varying proportions depending on the product grade. These include carbon (≤1.0%), silicon (≤1.0%), manganese (<2.0%), phosphorous (≤0.05%), sulphur (≤0.05%), copper (≤0.5%), nickel (≤1.5%), chromium (≤1.2%), vanadium (≤0.1%), and aluminum (≤0.1%), with iron constituting the balance. Trace amounts of other compounds may also be present. The stated values represent typical maximum thresholds and are not intended as exact product specifications. |                                                    |
| OTHER PRODUCT NOTES: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |

IRON, ELEMENTAL (PRIMARY CASRN IS 7439-89-6)

ID: 1867181-06-3

|                                                                                                                                      |                                       |                |                                                  |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|--------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                                                     |                                       |                | HAZARD SCREENING DATE: <b>2025-08-15 9:00:25</b> |                                            |
| %: <b>92.5000 - 98.0000</b>                                                                                                          | GreenScreen: <b>LT-P1</b>             | RC: <b>UNK</b> | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Structure component</b> |
| 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 constituent providing the base metal for structural sections, ensuring strength, rigidity, and formability. |                                       |                |                                                  |                                            |

MANGANESE

ID: 7439-96-5

|                                                           |                    |         |                                           |                               |  |
|-----------------------------------------------------------|--------------------|---------|-------------------------------------------|-------------------------------|--|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                    |         | HAZARD SCREENING DATE: 2025-08-15 9:05:41 |                               |  |
| %: 0.5000 - 2.0000                                        | GreenScreen: LT-P1 | RC: UNK | 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 (C2CPII) | 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 (C2CPII) | 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 (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025                                                                        |
|                     |                                                         | Children's Toy Products                                                                                                                                   |

SUBSTANCE NOTES: Improves strength, toughness, and wear resistance; also counteracts brittleness from sulfur.

|                                                           |                   |         |                                           |                               |               |
|-----------------------------------------------------------|-------------------|---------|-------------------------------------------|-------------------------------|---------------|
| NICKEL                                                    |                   |         |                                           |                               | ID: 7440-02-0 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                   |         | HAZARD SCREENING DATE: 2025-08-15 9:11:19 |                               |               |
| %: 0.0000 - 1.5000                                        | GreenScreen: LT-1 | RC: UNK | NANO: No                                  | SUBSTANCE ROLE: Alloy element |               |

| HAZARD TYPE | LIST NAME AND SOURCE                      | WARNINGS                                                                                                                                                  |
|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN         | US CDC - Occupational Carcinogens         | Occupational Carcinogen                                                                                                                                   |
| CAN         | MAK                                       | Carcinogen Group 1 - Substances that cause cancer in man                                                                                                  |
| CAN         | IARC                                      | Group 1 - Agent is Carcinogenic to humans                                                                                                                 |
| CAN         | CA EPA - Prop 65                          | Carcinogen                                                                                                                                                |
| CAN         | US NIH - Report on Carcinogens            | Known to be a human Carcinogen                                                                                                                            |
| CAN         | IARC                                      | Group 2b - Possibly carcinogenic to humans                                                                                                                |
| CAN         | US NIH - Report on Carcinogens            | Reasonably Anticipated to be Human Carcinogen                                                                                                             |
| RES         | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                                                         |
| CAN         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| MAM         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]                   |
| CAN         | GHS - New Zealand                         | Carcinogenicity category 2                                                                                                                                |
| CAN         | GHS - Japan                               | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |
| 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]                   |
| MAM         | GHS - Japan                               | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |
| CAN         | EU - Annex VI CMRs                        | Carcinogen Category 2 - Suspected human Carcinogen                                                                                                        |
| SKI         | GHS - New Zealand                         | Skin sensitisation 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                                                                                                 |
| CAN         | GHS - Australia                           | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                                                         |

| ADDITIONAL LISTINGS                                                                           | LIST NAME AND SOURCE                                   | NOTIFICATION                                                                                                                                           |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| RESTRICTED LIST                                                                               | Green Science Policy Institute (GSPI)                  | GSPI - Six Classes Precautionary List<br><br>Certain Metals                                                                                            |
| RESTRICTED LIST                                                                               | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>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<br><br>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<br><br>Footwear, Apparel & Jewelry Products              |
| RESTRICTED LIST                                                                               | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>All Products                                                 |
| RESTRICTED LIST                                                                               | Cradle to Cradle Products Innovation Institute (C2CPH) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>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<br><br>Cosmetics and Personal Care Products                         |
| SUBSTANCE NOTES: Increases toughness, corrosion resistance, and strength at low temperatures. |                                                        |                                                                                                                                                        |

| CHROMIUM                                                  |                                       |         |                                                                                                                            | ID: 7440-47-3                 |
|-----------------------------------------------------------|---------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                                       |         | HAZARD SCREENING DATE: 2025-08-15 9:13:07                                                                                  |                               |
| %: 0.0000 - 1.2000                                        | GreenScreen: LT-P1                    | RC: UNK | 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: Improves hardness, wear resistance, and corrosion resistance. |                                                        |                                                                                               |

|                                                                                                                                    |                                       |         |                                                |                               |  |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|------------------------------------------------|-------------------------------|--|
| CARBON                                                                                                                             |                                       |         |                                                | ID: 7440-44-0                 |  |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library                                                                          |                                       |         | HAZARD SCREENING DATE: 2025-08-15 9:02:50      |                               |  |
| %: 0.1000 - 1.0000                                                                                                                 | GreenScreen: LT-UNK                   | RC: UNK | 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: Increases hardness and tensile strength; higher carbon content improves wear resistance but may reduce ductility. |                                       |         |                                                |                               |  |

|                                                           |                      |                                                |                                           |                               |
|-----------------------------------------------------------|----------------------|------------------------------------------------|-------------------------------------------|-------------------------------|
| SILICON, ELEMENTAL                                        |                      |                                                |                                           | ID: 7440-21-3                 |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library |                      |                                                | HAZARD SCREENING DATE: 2025-08-15 9:04:21 |                               |
| %: 0.1000 - 1.0000                                        | GreenScreen: LT-UNK  | RC: UNK                                        | 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: Enhances strength and hardness, improves magnetic properties, and acts as a deoxidizer during steelmaking. |                      |                                              |

COPPER

ID: 7440-50-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-08-15 9:10:27

%: 0.0000 - 0.5000

GreenScreen: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE         | LIST NAME AND SOURCE                                    | WARNINGS                                                                                                                                               |
|---------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUL                 | German FEA - Substances Hazardous to Waters             | Class 2 - Hazard to Waters                                                                                                                             |
| AQU                 | EU - GHS (H-Statements) Annex 6 Table 3-1               | H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]                                   |
| MAM                 | GHS - Japan                                             | H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]                                                |
| 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     | Perkins+Will (P+W)                                      | P&W - Precautionary List<br><br>Precautionary list of substances recommended for avoidance                                                             |
| RESTRICTED LIST     | Green Science Policy Institute (GSPI)                   | GSPI - Six Classes Precautionary List<br><br>Antimicrobials                                                                                            |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products                                      |
| RESTRICTED LIST     | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Cosmetics and Personal Care Products                         |

SUBSTANCE NOTES: Enhances corrosion resistance, particularly in atmospheric conditions.

VANADIUM, ELEMENTAL

ID: 7440-62-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-08-15 9:14:10

|                     |                                             |                                                            |          |                               |
|---------------------|---------------------------------------------|------------------------------------------------------------|----------|-------------------------------|
| %: 0.0000 - 0.1000  | GreenScreen: LT-1                           | RC: UNK                                                    | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE         | LIST NAME AND SOURCE                        | WARNINGS                                                   |          |                               |
| MUL                 | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters                          |          |                               |
| CAN                 | MAK                                         | Carcinogen Group 2 - Considered to be carcinogenic for man |          |                               |
| GEN                 | MAK                                         | Germ Cell Mutagen 2                                        |          |                               |
| ADDITIONAL LISTINGS | LIST NAME AND SOURCE                        | NOTIFICATION                                               |          |                               |
| None found          |                                             | No listings found on Additional Hazard Lists               |          |                               |

SUBSTANCE NOTES: Increases strength, hardness, and resistance to fatigue; refines grain structure.

AA 6560 ALUMINUM ALLOY

ID: 7429-90-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-08-15 9:14:58

|                    |                                       |                                                                                                                                                           |          |                               |
|--------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| %: 0.0000 - 0.1000 | GreenScreen: LT-P1                    | RC: UNK                                                                                                                                                   | NANO: No | SUBSTANCE ROLE: Alloy element |
| HAZARD TYPE        | LIST NAME AND SOURCE                  | WARNINGS                                                                                                                                                  |          |                               |
| END                | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor                                                                                                                             |          |                               |
| 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 - Japan                           | H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]                                          |          |                               |
| PHY                | GHS - Japan                           | H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]             |          |                               |
| PHY                | GHS - Malaysia                        | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |          |                               |
| PHY                | GHS - Australia                       | H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]                                                  |          |                               |
| PHY                | GHS - New Zealand                     | Pyrophoric solids 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<br><br>Biological and Environmentally Released Materials |
| RESTRICTED LIST                                                                            | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022<br><br>Children's Products                               |
| RESTRICTED LIST                                                                            | Cradle to Cradle Products Innovation Institute (C2CPII) | C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025<br><br>Children's Toy Products                                      |
| SUBSTANCE NOTES: Acts as a deoxidizer and helps control grain size for improved toughness. |                                                         |                                                                                                                                                        |

PHOSPHORUS

ID: 7723-14-0

| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b> |                                               |                                                                             | HAZARD SCREENING DATE: <b>2025-08-15 9:07:21</b> |                                      |
|------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| %: <b>0.0000 - 0.0500</b>                                        | GreenScreen: <b>BM-2</b>                      | RC: <b>UNK</b>                                                              | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Alloy element</b> |
| 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<br><br>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<br><br>Cosmetics and Personal Care Products          |
| SUBSTANCE NOTES: Improves strength and hardness but can reduce ductility; controlled to avoid brittleness. |                                                         |                                                                                                                                         |

| SULFUR, PRECIPITATED                                                                                      |                                           |                                                                                                                  |                                                  | ID: 7704-34-9                        |
|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                          |                                           |                                                                                                                  | HAZARD SCREENING DATE: <b>2025-08-15 9:09:20</b> |                                      |
| %: <b>0.0000 - 0.0500</b>                                                                                 | GreenScreen: <b>LT-UNK</b>                | RC: <b>UNK</b>                                                                                                   | NANO: <b>No</b>                                  | SUBSTANCE ROLE: <b>Alloy element</b> |
| 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: Improves machinability in controlled amounts but excessive sulfur can cause brittleness. |                                           |                                                                                                                  |                                                  |                                      |

### 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: 2025-08-15 00:00:00         | CERTIFIER OR LAB: None |
| APPLICABLE FACILITIES: All          | EXPIRY DATE:                            |                        |
| CERTIFICATE URL:                    |                                         |                        |
| 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

MANUFACTURER INFORMATION

MANUFACTURER: **QTC**  
ADDRESS: **PO Box 10572, Jubail industrial city, Jubail Jubail, Jubail 31961**  
COUNTRY: **Saudi Arabia**  
LATITUDE: **27.0143000**  
LONGITUDE: **49.5337000**

WEBSITE: **www.sulb.com**  
CONTACT NAME: **United Sulb Company (Saudi Sulb) LLC**  
TITLE: **KSA Office**  
PHONE: **00966-133586666**  
EMAIL: **info@sulb.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

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

GreenScreen (GS)

|                                                                     |                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1) |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)             |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      | <b>LT-UNK</b> List Translator Benchmark Unknown                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          | <b>NoGS</b> No GreenScreen.                                    |
| <b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://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.

