TRISOFT®
by Arktura LLC

HPD UNIQUE IDENTIFIER: 21065
CLASSIFICATION: 09
PRODUCT DESCRIPTION: TriSoft® ceiling system makes it easy to add faceted dimensionality and quiet elegance to interiors. Its triangular faceted pyramid faces are composed of our Soft Sound® acoustical material (100% PET plastic with up to 60% recycled content) with a metal substructure.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- Nested Materials Method
- Basic Method

Threshold Disclosed Per
- Material
- Product

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities
- Considered in 0 of 6 Materials
- Explanation(s) provided for Residuals/Impurities?
  - Yes
  - No

All Substances Above the Threshold Indicated Are:
- Characterized
  - Yes Ex/SC
  - Yes
  - No

Screened
- Yes Ex/SC
- Yes
- No

Identified
- Yes Ex/SC
- Yes
- 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
COLD ROLLED STEEL SHEET | STEEL | NoGS | BM-1 | RES | PHY | END
5052 ALUMINUM | ALUMINUM | BM-1 | RES | PHY | END
MAGNESIUM | LT-UNK | PHY | END
SOFT SOUND® GROUP A | POLYESTER FIBER | NoGS | 304 STAINLESS STEEL
FASTENER | IRON | LT-P1 | END
CHROMIUM, METALLIC | LT-P1 | RES | END
NICKEL (METALLIC) | LT-1 | RES | CAN | SKI | MAM | MUL | POWDER
COAT 1.2 | TITANIUM DIOXIDE | LT-1 | CAN | END
HYDROXIDE | BM-2 | BARIUM SULFATE | BM-2 | CAN
ALUMINUM | ALUMINUM | BM-1 | RES | PHY | 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:
Identified is marked "No" because there are proprietary substances and substances with no registered IDs reported on this 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

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: Self-Prepared
VERIFICATION #: 2020-07-16
SCREENING DATE: 2020-07-16
PUBLISHED DATE: 2020-07-17
EXPIRY DATE: 2023-07-16
This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### COLD ROLLED STEEL SHEET

<table>
<thead>
<tr>
<th>%: 65.2667 - 65.2667</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 1000 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: No</td>
</tr>
<tr>
<td>MATERIAL TYPE: Metal</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
</tr>
</tbody>
</table>

**钢**

<table>
<thead>
<tr>
<th>%: 100.0000 - 100.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS: NoGS</td>
</tr>
<tr>
<td>RC: UNK</td>
</tr>
<tr>
<td>NANO: Unknown</td>
</tr>
<tr>
<td>SUBSTANCE ROLE: Structure component</td>
</tr>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2020-07-16</td>
</tr>
<tr>
<td>WARNINGS: No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**OTHER MATERIAL NOTES:**

### 5052 ALUMINUM

<table>
<thead>
<tr>
<th>%: 20.5111 - 20.5111</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 1000 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: No</td>
</tr>
<tr>
<td>MATERIAL TYPE: Metal</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
</tr>
</tbody>
</table>

**OTHER MATERIAL NOTES:**

---

**5052 ALUMINUM**

<table>
<thead>
<tr>
<th>%: 20.5111 - 20.5111</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 1000 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: No</td>
</tr>
<tr>
<td>MATERIAL TYPE: Metal</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
</tr>
</tbody>
</table>

**OTHER MATERIAL NOTES:**
ALUMINUM

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16

%: 95.8995 - 97.6497  GS: BM-1  RC: None  NANO: Unknown  SUBSTANCE ROLE: Structure component

HAZARD TYPE  AGENCY AND LIST TITLES  WARNINGS
RESPIRATORY  AOEC - Asthmagens  Asthmagen (Rs) - sensitizer-induced
PHYSICAL HAZARD (REACTIVE)  EU - GHS (H-Statements)  H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)  EU - GHS (H-Statements)  H261 - In contact with water releases flammable gases
ENDOCRINE  TEDX - Potential Endocrine Disruptors  Potential Endocrine Disruptor

SUBSTANCE NOTES:

MAGNESIUM

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16


HAZARD TYPE  AGENCY AND LIST TITLES  WARNINGS
PHYSICAL HAZARD (REACTIVE)  EU - GHS (H-Statements)  H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)  EU - GHS (H-Statements)  H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES:

SOFT SOUND® GROUP A

%: 10.8601 - 10.8601

PRODUCT THRESHOLD: 1000 ppm  RESIDUALS AND IMPURITIES CONSIDERED: No  MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: ________________________________

OTHER MATERIAL NOTES:
### Polyester Fiber

**ID:** 80595-68-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16


**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
No warnings found on HPD Priority Hazard Lists

**WARNINGS**

**SUBSTANCE NOTES:** This substance has a known CAS number.

---

### 304 Stainless Steel Fastener

**%:** 2.1869 - 2.1869  
**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** No  
**MATERIAL TYPE:** Metal

**RESIDUALS AND IMPURITIES NOTES:**

**OTHER MATERIAL NOTES:**

---

### Iron

**ID:** 7439-89-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16

| %: 63.8340 - 69.8241 | GS: LT-P1 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Hardware |

**HAZARD TYPE**  
ENDOCRINE

**AGENCY AND LIST TITLES**  
TEDX - Potential Endocrine Disruptors

**WARNINGS**

**SUBSTANCE NOTES:**

---

### Chromium, Metallic

**ID:** 7440-47-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16

| %: 18.0162 - 19.9824 | GS: LT-P1 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Hardware |

**HAZARD TYPE**  
RESPIRATORY

**AGENCY AND LIST TITLES**  
AOEC - Asthmagens

**WARNINGS**

**SUBSTANCE NOTES:**

---

### Nickel (Metallic)

**ID:** 7440-02-0  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16

| %: 18.0162 - 19.9824 | GS: LT-P1 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Hardware |

**HAZARD TYPE**  
SKIN SENSITIZE

**AGENCY AND LIST TITLES**  
MAK

**WARNINGS**

**SUBSTANCE NOTES:**

---
## HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library

### HAZARD SCREENING DATE:
2020-07-16

### %:
8.0021 - 11.9803

### GS:
LT-1

### GS:
LT-1

### GS:
LT-1

### GS:
LT-1

### NANO:
Unknown

### NANO:
Unknown

### SUBSTANCE ROLE:
Hardware

### SUBSTANCE ROLE:
Hardware

### SUBSTANCE ROLE:
Hardware

### SUBSTANCE ROLE:
Hardware

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

## SUBSTANCE NOTES:

### POWDER COAT 1.2

### %:
0.6986 - 0.6986

### PRODUCT THRESHOLD:
1000 ppm

### RESIDUALS AND IMPURITIES CONSIDERED:
No

### MATERIAL TYPE:
Geologically Derived Material

### RESIDUALS AND IMPURITIES NOTES:

### OTHER MATERIAL NOTES:

## TITANIUM DIOXIDE

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

### HAZARD SCREENING DATE:
2020-07-16

### %:
0.0000 - 30.0591

### GS:
LT-1

### RC:
None

### NANO:
Unknown

### SUBSTANCE ROLE:
Powder coating
HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
--- | --- | ---
CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen
CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route
CANCER | IARC | Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor
CANCER | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER | MAK | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: 49,249,349, 449, 549, 849 Series 38_39_49_238_239_249_338_339_349_438_439_449_538_539_549_838_839_849_418

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-07-16
%: 0.0000 - 30.0591 | GS: LT-P1 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Powder coating

HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS
--- | --- | ---
MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters

SUBSTANCE NOTES: This substance has a known CAS number, but the ingredient usage is proprietary.

ALUMINUM HYDROXIDE ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-07-16
%: 0.0000 - 25.0493 | GS: BM-2 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Powder coating

None found | No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 49,249,349, 449, 549, 849

BARIUM SULFATE ID: 7727-43-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2020-07-16
%: 0.0000 - 25.0493 | GS: BM-2 | RC: None | NANO: Unknown | SUBSTANCE ROLE: Powder coating
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** 49,249,349, 449, 549, 849

---

### 6063 ALUMINUM

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD:</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED:</td>
<td>No</td>
</tr>
<tr>
<td>MATERIAL TYPE:</td>
<td>Metal</td>
</tr>
</tbody>
</table>

RESIDUALS AND IMPURITIES NOTES: 

OTHER MATERIAL NOTES:

#### ALUMINUM

**ID:** 7429-90-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  **HAZARD SCREENING DATE:** 2020-07-16

<table>
<thead>
<tr>
<th>%:</th>
<th>87.0412 - 91.4457</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS:</td>
<td>BM-1</td>
</tr>
<tr>
<td>RC:</td>
<td>None</td>
</tr>
<tr>
<td>NANO:</td>
<td>Unknown</td>
</tr>
<tr>
<td>SUBSTANCE ROLE:</td>
<td>Structure component</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:**

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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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Inherently non-emitting source per LEED®</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-07-16</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>None</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: This product is manufactured from inherently non-emitting sources. These are not liquid/wet applied products.

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

Products grouped in this HPD may vary based on weight or size and overall surface area.
MANUFACTURER INFORMATION

MANUFACTURER: Arktura LLC
ADDRESS: 18225 S. Figueroa St.
Gardena CA 90248, USA
WEBSITE: www.arktura.com

CONTACT NAME: Kevin Kane
TITLE: Vice President Design and Project Management
PHONE: 310-532-1050
EMAIL: info@arktura.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
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic
- PHY Physical hazard (flammable or reactive)
- REP Reproductive
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

GreenScreen (GS)
- BM-4 Benchmark 4 (prefer-safer chemical)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possible Benchmark-1)
- LT-1 List Translator 1 (Likely Benchmark-1)
- 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 LT-P1 score.)
- 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.