Sphera®
by Arktura LLC

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09

PRODUCT DESCRIPTION: In Arktura's Sphera® ceiling system, cloud-like groupings of rings create visual interest through an interplay of organic and geometric design cues. Play with its repeated circular shapes at varying depths and orientations to morph your design pattern, and allow this easy-to-install, wire-suspended system to redefine all types of space – from the smallest reception areas to the widest open spans.

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
- ( ) Per OSHA MSDS
- ( ) Other

Residuals/Impurities

Residuals/Impurities Considered in 0 of 16 Materials

Explanation(s) provided for Residuals/Impurities?

- (•) Yes
- ( ) No

All Substances Above the Threshold Indicated Are:

Characterized ( ) Yes Ex/SC (•) Yes ( ) No

% weight and role provided for all substances.

Screened ( ) Yes Ex/SC (•) Yes ( ) No

All substances screened using Priority Hazard Lists with results disclosed.

Identified ( ) Yes Ex/SC ( ) Yes (•) No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

1-TETRADECANAMINIUM, N,N,N-TRIMETHYL-, BROMIDE [1-TETRADECANAMINIUM, N,N,N-TRIMETHYL-, BROMIDE LT-P1 | MUL] BIS(2,3-EPOXYPROPYL) TEREPHTHALATE [BIS(2,3-EPOXYPROPYL) TEREPHTHALATE LT-P1 | MUL] CAPROLACTAM [CAPROLACTAM LT-UNK | SKI | EYE] TITANIUM DIOXIDE [TITANIUM DIOXIDE LT-1 | CAN | END] TRIMELLITIC ANHYDRIDE [TRIMELLITIC ANHYDRIDE LT-UNK | RES | SKI | EYE] ALUMINUM HYDROXIDE [ALUMINUM HYDROXIDE BM-2 | RES] PHENOL, 2-4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL-5-3-(2-ETHYLHEXYL)OXY-2-HYDROXYPROPOXY- [2-(4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL)-5-(3-((2-ETHYLHEXYL)OXY)-2-HYDROXYPROPOXY)PHENOL LT-P1 | MUL] 1,4-BENZENEDIOL, 2-(1,1-DIMETHYLETHYL)- [1,4-BENZENEDIOL, 2-(1,1-DIMETHYLETHYL)- LT-P1 | MUL] DECANEDIOIC ACID [DECANEDIOIC ACID, BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) ESTER LT-P1 | MUL] BARIUM SULFATE [BARIUM SULFATE BM-2 | CAN] 1,3,5-TRIGLYCIDYL-S-TRIAZINETRIONE [1,3,5-TRIGLYCIDYL-S-TRIAZINETRIONE LT-1 | RES | GEN | MAM | SKI | EYE | MUL] ALUMINUM [ALUMINUM LT-P1 | RES | PHY | END] MICA [MICA-GROUP MINERALS LT-UNK] HARDENER [UNDISCLOSED LT-UNK] BENZONIN [UNDISCLOSED LT-P1 | MUL] CARBON BLACK [UNDISCLOSED LT-1 | CAN]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-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:
VERIFICATION #:

SCREENING DATE: 2020-04-01
PUBLISHED DATE: 2020-04-01
EXPIRY DATE: 2023-04-01

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

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

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

1-TETRADECANAMINIUM, N,N,N-TRIMETHYL-, BROMIDE

%: 0.00 - 0.09

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 4601A93137, 4601A90050

1-TETRADECANAMINIUM, N,N,N-TRIMETHYL-, BROMIDE

ID: 1119-97-7

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

HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00**

GS: **LT-P1**

RC: **None**

NANO: **Unknown**

ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: 4601A93137, 4601A90050

BIS(2,3-EPOXYPROPYL) TEREPHTHALATE

%: 0.00 - 3.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 4601A93137, 4601A90050

BIS(2,3-EPOXYPROPYL) TEREPHTHALATE

ID: 7195-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **None**

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

SUBSTANCE NOTES: 4601A93137, 4601A90050

CAPROLACTAM

%: 0.00 - 0.99

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 6402A21354

CAPROLACTAM

ID: 105-60-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: 6402A21354

TITANIUM DIOXIDE

%: 0.00 - 30.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL 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

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-1** RC: **None** NANO: **Unknown** ROLE: **None**

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

TRIMELLITIC ANHYDRIDE

%: 0.00 - 3.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 6402A21354

TRIMELLITIC ANHYDRIDE

ID: 552-30-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
RESPIRATORY	MAK	Sensitizing Substance Sa - Danger of airway sensitization

SUBSTANCE NOTES: 6402A21354

ALUMINUM HYDROXIDE

%: 0.00 - 25.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 49,249,349, 449, 549, 849

ALUMINUM HYDROXIDE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-01

%: 0.00 - 100.00 GS: BM-2 RC: None NANO: Unknown ROLE: None

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

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

PHENOL, 2-4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL-5-3-(2-ETHYLHEXYL)OXY-2-HYDROXYPROPOXY-

%: 0.00 - 2.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 4201A90050

2-(4,6-BIS(2,4-DIMETHYLPHENYL)-1,3,5-TRIAZIN-2-YL)-5-(3-((2-ETHYLHEXYL)OXY)-2-HYDROXYPROPOXY)PHENOL

ID: 137658-79-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-04-01

%: 0.00 - 100.00 GS: LT-P1 RC: None NANO: Unknown ROLE: None

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

SUBSTANCE NOTES: 4201A90050

1,4-BENZENEDIOL, 2-(1,1-DIMETHYLETHYL)-

%: 0.00 - 0.99

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 5703A93122

1,4-BENZENEDIOL, 2-(1,1-DIMETHYLETHYL)-

ID: 1948-33-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: 5703A93122

DECANEDIOIC ACID

%: 0.00 - 2.49

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 5703A93122

DECANEDIOIC ACID, BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) ESTER

ID: 52829-07-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **None**

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

SUBSTANCE NOTES: 5703A93122

BARIUM SULFATE

%: 0.00 - 25.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 49,249,349, 449, 549, 849

BARIUM SULFATE

ID: 7727-43-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **BM-2** RC: **None** NANO: **Unknown** ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

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

1,3,5-TRIGLYCIDYL-S-TRIAZINETRIONE

%: 0.00 - 10.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 49,249,349, 449, 549, 849

1,3,5-TRIGLYCIDYL-S-TRIAZINETRIONE

ID: 2451-62-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-1** RC: **None** NANO: **Unknown** ROLE: **None**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	GHS - Korea	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B

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

ALUMINUM

%: 0.00 - 2.50

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 38_39_49_238_239_249_338_339_349_438_439_449_538_539_549_838_839_849_418

ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **None**

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)	H250 - Catches fire spontaneously if exposed to air
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: 38_39_49_238_239_249_338_339_349_438_439_449_538_539_549_838_839_849_418

MICA

%: 0.00 - 2.50

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

OTHER MATERIAL NOTES: 38_39_49_238_239_249_338_339_349_438_439_449_538_539_549_838_839_849_418

MICA-GROUP MINERALS

ID: 12001-26-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **None**

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

SUBSTANCE NOTES: 38_39_49_238_239_249_338_339_349_438_439_449_538_539_549_838_839_849_418

HARDENER

%: 0.00 - 3.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

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

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **None**

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

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

BENZONIN %: 0.00 - 30.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

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

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **None**

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.

CARBON BLACK %: 0.00 - 4.00

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: _____

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

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-04-01**

%: **0.00 - 100.00** GS: **LT-1** RC: **None** NANO: **Unknown** ROLE: **None**

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
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

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

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
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2020-04-01

EXPIRY DATE:

CERTIFIER OR LAB: None

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

Section 6: References

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**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insuficient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms
Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.