

CLASSIFICATION: 12 52 13 Chair

PRODUCT DESCRIPTION: The Viv chair inner shell is injection moulded in 30% glass fiber polypropylene covered in polyurethane foam and upholstered fabric.

Section 1: Summary

Basic 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

- Considered
 Partially Considered
 Not Considered

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

VIV SLED BASE SEAT | MANGANESE LT-P1 | END | MUL | REP
POLYPROPYLENE LT-UNK SILICON LT-UNK CERIUM LT-P1 GLASS
FILAMENTS NoGS SHEEPS WOOL NoGS POLYURETHANE FOAMS LT-
UNK CARBON BLACK LT-1 | CAN ALUMINUM LT-P1 | RES | PHY | END
CHROMIUM, METALLIC LT-P1 | RES | END | SKI NIOBIUM LT-UNK 1-
OCTENE, POLYMER WITH ETHENE LT-UNK THALLIUM LT-P1 | MAM | GEN
| REP COPPER LT-UNK NICKEL (METALLIC) LT-1 | RES | CAN | SKI | MAM |
MUL PHOSPHORUS BM-2 | PHY | MAM WATER BM-4 1-BUTENE,
POLYMER WITH ETHENE LT-UNK STEEL NoGS 2-
ANTHRACENESULFONIC ACID, 1-AMINO-4-[[3-[[4-CHLORO- 6-
[[SULFOPHENYL]AMINO]-1,3,5-TRIAZIN-2-YL]AMINO]-2 ,4,6-TRIMETHYL-
5-SULFOPHENYL]AMINO]-9,10-DIHYDRO- 9,10-DIOXO-, TRISODIUM SALT
LT-UNK ACID BROWN 298 NoGS ACID RED 106 NoGS ACID VIOLET 90
NoGS BENZENEMETHANAMINIUM, N-[4-[[4-(DIETHYLAMINO)PHENYL] [4-
[ETHYL[[3-SULFOPHENYL]METHYL]AMINO]PHENYL]METHYLENE]-2,5-
CYCLOHEXADIEN-1-YLIDENE]-N-ETHYL- 3-SULFO-, HYDROXIDE, INNER
SALT, SODIUM SALT LT-UNK CHROMATE(2-), [4-HYDROXY-3-[[2-
HYDROXY- 4-NITROPHENYL]AZO]-1-NAPHTHALENESULFONATO(3-)] [1-
[[2-HYDROXY-4-NITROPHENYL]AZO]-2-NAPHTHALENOLATO(2-)]-,
DISODIUM LT-UNK REMAZOL BLACK B LT-P1]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen
Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

A summary of the individual chemicals within the product's materials result from screening individual chemical substances against HPD Specified lists in HPDC Builder. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk.

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: Indoor Advantage Gold # SCS-EC10-.3-2014 v4.0

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

Yes

No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-08-14**

PUBLISHED DATE: **2019-08-16**

EXPIRY DATE: **2022-08-14**



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

VIV SLED BASE SEAT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards with the Basic Inventory method for Product-level threshold. 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.

OTHER PRODUCT NOTES:

MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-14

#: 32.90 - 32.90 GS: LT-P1 RC: None NANO: Unknown ROLE: Metal Base

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B

SUBSTANCE NOTES:

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-08-14

#: 19.69 - 19.69 GS: LT-UNK RC: None NANO: No ROLE: Retainer Strip

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

SUBSTANCE NOTES:

SILICON

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**%: **11.19 - 11.19**GS: **LT-UNK**RC: **None**NANO: **Unknown**ROLE: **Metal Base**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

CERIUM

ID: 7440-45-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**%: **9.22 - 9.22**GS: **LT-P1**RC: **None**NANO: **Unknown**ROLE: **Metal Base**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

GLASS FILAMENTSID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**%: **4.89 - 4.89**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Chair Shell**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

SHEEPS WOOLID: **Not registered**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**%: **3.53 - 3.69**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

POLYURETHANE FOAMS

ID: 9009-54-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**

#: 2.73 - 2.88

GS: LT-UNK

RC: None

NANO: Unknown

ROLE: CMHR Foam

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

CARBON BLACK

ID: 1333-86-4

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

HAZARD SCREENING DATE: **2019-08-14**

#: 2.63 - 2.63

GS: LT-1

RC: None

NANO: Unknown

ROLE: Metal Base

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:

ALUMINUM

ID: 7429-90-5

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

HAZARD SCREENING DATE: **2019-08-14**

#: 1.98 - 1.98

GS: LT-P1

RC: None

NANO: Unknown

ROLE: Metal Base

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:

CHROMIUM, METALLIC

ID: 7440-47-3

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

HAZARD SCREENING DATE: **2019-08-14**

#: 1.98 - 1.98

GS: LT-P1

RC: None

NANO: Unknown

ROLE: Metal Base

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES:

NIOBIUM

ID: 7440-03-1

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

HAZARD SCREENING DATE: **2019-08-14**

#: **1.98 - 1.98** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **Metal Base**

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

SUBSTANCE NOTES:

1-OCTENE, POLYMER WITH ETHENE

ID: 26221-73-8

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

HAZARD SCREENING DATE: **2019-08-14**

#: **1.88 - 1.88** GS: **LT-UNK** RC: **None** NANO: **Unknown** ROLE: **Stacking Pad**

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

SUBSTANCE NOTES:

THALLIUM

ID: 7440-28-0

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

HAZARD SCREENING DATE: **2019-08-14**

#: **1.31 - 1.31** GS: **LT-P1** RC: **None** NANO: **Unknown** ROLE: **Metal Base**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAMMALIAN	EU - GHS (H-Statements)	H300 - Fatal if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1A

SUBSTANCE NOTES:

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**

%: 0.66 - 0.66	GS: LT-UNK	RC: None	NANO: Unknown	ROLE: Metal Base
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

NICKEL (METALLIC)

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**

%: 0.66 - 0.66	GS: LT-1	RC: None	NANO: Unknown	ROLE: Metal Base
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

PHOSPHORUS

ID: 7723-14-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-08-14**

%: 0.66 - 0.66	GS: BM-2	RC: None	NANO: Unknown	ROLE: Metal Base
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances

SUBSTANCE NOTES:

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-08-14		
%: 0.48 - 0.54	GS: BM-4	RC: None	NANO: No	ROLE: Fabric
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: 0.05-1.5% is based on potential final presence within dyestuffs.				

1-BUTENE, POLYMER WITH ETHENE

ID: 25087-34-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-08-14		
%: 0.38 - 0.38	GS: LT-UNK	RC: None	NANO: No	ROLE: Screw
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-08-14		
%: 0.31 - 0.31	GS: NoGS	RC: None	NANO: No	ROLE: Screw
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

2-ANTHRACENESULFONIC ACID, 1-AMINO-4-[[3-[[4-CHLORO- 6-[(SULFOPHENYL)AMINO]-1,3,5-TRIAZIN-2-YL]AMINO]-2 ,4,6-TRIMETHYL-5-SULFOPHENYL]AMINO]-9,10-DIHYDRO- 9,10-DIOXO-, TRISODIUM SALT

ID: 72214-18-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-08-14		
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%: **0.00 - 0.14**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

ACID BROWN 298

ID: **12234-78-5**

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

HAZARD SCREENING DATE: **2019-08-14**

%: **0.00 - 0.14**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

ACID RED 106

ID: **6844-74-2**

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

HAZARD SCREENING DATE: **2019-08-14**

%: **0.00 - 0.14**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

ACID VIOLET 90

ID: **6408-29-3**

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

HAZARD SCREENING DATE: **2019-08-14**

%: **0.00 - 0.14**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

BENZENEMETHANAMINIUM, N-[4-[[4-(DIETHYLAMINO)PHENYL] [4-[ETHYL[(3-SULFOPHENYL)METHYL]AMINO]PHENYL]METHYLENE]-2,5-CYCLOHEXADIEN-1-YLIDENE]-N-ETHYL- 3-SULFO-, HYDROXIDE, INNER SALT, SODIUM SALT

ID: **4129-84-4**

%: **0.00 - 0.14**GS: **LT-UNK**

RC:

None

NANO:

No

ROLE:

Fabric

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

CHROMATE(2-), [4-HYDROXY-3-[(2-HYDROXY-4-NITROPHENYL)AZO]-1-NAPHTHALENESULFONATO(3-)] [1-[(2-HYDROXY-4-NITROPHENYL)AZO]-2-NAPHTHALENOLATO(2-)]-, DISODIUM

ID: **68541-71-9**%: **0.00 - 0.14**GS: **LT-UNK**

RC:

None

NANO:

No

ROLE:

Fabric

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

REMAZOL BLACK B

ID: **17095-24-8**%: **0.00 - 0.14**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Fabric**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 0-4% is the range at which the pigment can be present in the final product. This will vary by shade with 0% being the minimum (i.e. dyestuff is not used) or 4% the maximum.

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

Indoor Advantage Gold # SCS-EC10-.3-2014
v4.0

CERTIFYING PARTY: **Third Party**

ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB:

APPLICABLE FACILITIES: **Knaresborough Technology Park Manse Lane,
Knaresborough HG5 8LF, United Kingdom.**

**2018-09-22 2019-09-21 SCS Global
Services**

CERTIFICATE URL:

https://www.scs-certified.com/products/cert_pdfs/Naughtone_2018_SCS-IAQ-04658_s.pdf

CERTIFICATION AND COMPLIANCE NOTES: **Conforms to the ANSI/BIFMA Furniture Emissions Standard (M7.1/X7.1-2011 R2016) and ANSI/BIFMA e-3-2014e (Credits 7.6.1, 7.6.2, 7.6.3) for seating parameters. Also, conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for seating and school classroom parameters.**

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

As included in the finished product, none of the material(s) identified with a “Hazard Type” designator have been shown to present any increased risk to human health under normal conditions of use or exposure.



MANUFACTURER INFORMATION

MANUFACTURER: **naughtone**
 ADDRESS: **Knaresborough Technology Park Manse Lane**
Knaresborough Knaresborough HG5 8LF, United Kingdom
 WEBSITE: **http://www.naughtone.com**

CONTACT NAME: **Robert Hamilton**
 TITLE: **Product Manager**
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 EMAIL: **rob@naughtone.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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

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

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

