# **AST Glass** by Skyline Design

# **Health Product Declaration v2.3** created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31413

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design's proprietary AST Digital Printing process prints high resolution and colorful imagery onto the surface of the glass. Available as translucent for partitions or opaque for wall-cladding. Products included in this HPD are AST1, AST3, AST-FV, AST-F.

# Section 1: Summary

# CONTENT INVENTORY

Inventory	Reporting
Format	

Nested Materials Method C Basic Method

# Threshold Disclosed Per

O Material

- Product

• 100 ppm C 1,000 ppm O Other

**Residuals/Impurities Evaluation** Completed in 5 of 5 Materials

Explanation(s) provided for Residuals/Impurities? ⊙ Yes ○ No

# **Nested Method / Product Threshold**

For all contents above the threshold, the n	nanufacturer has:
Characterized	• Yes O No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using HPDC-ap	pproved
methods.	
Identified	○ Yes ⊙ No
Provided name and CAS RN or other iden	tifier.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPI IRITY

#### GREENSCREEN SCORE | HAZARD TYPE

GLASS [ GLASS / MINERAL FIBER LT-UNK ] CERAMIC INK [ FRITS, CHEMICALS LT-P1 | MUL UNDISCLOSED LT-1 | END | DEV | EYE | MAM | SKI TIN OXIDE NoGS DIETHYLENE GLYCOL MONO-N-BUTYL ETHER LT-P1 | END | EYE | MAM CYCLOHEXANONE LT-P1 | CAN | END | EYE | MAM | GEN | SKI | REP ] VITRACOLOR H2O [ TITANIUM DIOXIDE LT-1 | CAN | END | MAM ] VITRACOLOR LOW VOC URITHANE PAINT [ METHOXYISOPROPYL ACETATE LT-UNK | EYE ISOBUTYL ACETATE LT-UNK | PHY | EYE TOLUENE BM-1 | END | DEV | MUL | REP | SKI | PHY | MAM | EYE | AQU ] UV INK [ 2-PROPENOIC ACID, 2-PHENOXYETHYL ESTER LT-P1 | MUL 2-PROPENOIC ACID, (5-ETHYL-1,3-DIOXAN-5-YL)METHYL ESTER LT-P1 | MUL N-VINYLCAPROLACTAM LT-UNK

#### **VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1, BM-1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added. Chemical information for some substances have been undisclosed because of the proprietary reasons.

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional

listinas.

VOC emissions: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified? O Yes No

**PREPARER: Self-Prepared** VERIFIER: **VERIFICATION #:** 

SCREENING DATE: 2023-02-19 PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19

# Threshold Level O Per GHS SDS

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

GLASS	%: 99.6500 - 99.8700				
PRODUCT THRESHOLD: 100 pp	m RESIDUALS AND IMPURITIE	S EVALUATI	ON COMPLETED:	No M	MATERIAL TYPE: Glass
	OTES: Based on HPD or MSDS disclo MSDS reporting levels (10,000 ppm a			oliers, the glass s	substrate is not expected t
OTHER MATERIAL NOTES: A co	ntent range is provide because the gla	ass content p	ercentage varies b	based on glass t	hickness and products.
GLASS / MINERAL FIBER					ID: 65997-17-3
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14	:25:11
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE F	ROLE: Glass component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No war	nings found on H	HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
EXEMPT	European Union / European Con (EU EC)	nmission	EU - REACH Exe	emptions	
	()		Exempted from safety	REACH Annex V	/ listing due to intrinsic
SUBSTANCE NOTES: Glass t	ype used is Monolithic low-iron glass.				

CERAMIC INK	%: 0.0000 - 0.2700	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other: Ink

RESIDUALS AND IMPURITIES NOTES: There are no additional ingredients present above the threshold which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment.

OTHER MATERIAL NOTES: A content range is provided because ceramic ink content percentage varies based on glass products and thickness.

FRITS, CHEMICALS					ID: 65997-18-4
HAZARD DATA SOURCE: P	Pharos Chemical and Materials Library	HAZARD SCR	REENING DATE:	2023-02-19 14:25:11	
%: 30.0000 - 65.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE	Coating

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Haza Waters	rdous to Class 2 - Hazard to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard List
SUBSTANCE NOTES: Highe	er percent range is used to represent all	glass products covered in this HPD.
INDISCLOSED		ID: Undisclose
AZARD DATA SOURCE: P	haros Chemical and Materials Library	HAZARD SCREENING DATE: 2023-02-19 14:25:12
%: <b>25.0000 - 45.0000</b>	GreenScreen: LT-1	RC: UNK NANO: No SUBSTANCE ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disr	uptors Potential Endocrine Disruptor
DEV	CA EPA - Prop 65	Developmental toxicity
DEV	US NIH - Reproductive & Develo Monographs	pmental Clear Evidence of Adverse Effects - Developmental Toxicity
EYE	GHS - New Zealand	Eye irritation category 2
MAM	GHS - New Zealand	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]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (C	GSPI) GSPI - Six Classes of Problematic Chemicals
		Some Solvents
SUBSTANCE NOTES: This i	is a proprietary substance and has not b	een disclosed.
		ID: <b>12534-3</b> 3
HAZARD DATA SOURCE: P	haros Chemical and Materials Library	HAZARD SCREENING DATE: 2023-02-19 14:25:13
%: 10.0000 - 30.0000	GreenScreen: NoGS	RC: UNK NANO: No SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard List
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION

#### DIETHYLENE GLYCOL MONO-N-BUTYL ETHER

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	y HAZARD SCREENING DATE: 2023-02-19 14:25:13		
%: 4.0000 - 10.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endocr	ine Disruptor
EYE	EU - GHS (H-Statements) Annex	6 Table 3-1		erious eye irritation [Serious eye ation - Category 2A]
EYE	GHS - New Zealand		Eye irritation cate	egory 2
EYE	GHS - Australia	H319 - Causes serious eye irritation [Seriou damage/eye irritation - Category 2A]		
MAM	GHS - Japan		repeated exposu	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]
EYE	GHS - Japan			erious eye irritation [Serious eye tation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	vation		Product Standard Restricted (RSL) - Effective July 1, 2022
			Formulated Cons	sumer Products
RESTRICTED LIST	Green Science Policy Institute (	GSPI)	GSPI - Six Class	es of Problematic Chemicals
			Some Solvents	

SUBSTANCE NOTES:

# CYCLOHEXANONE ID: 108-94-1 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-19 14:25:11 %: 5.0000 - 10.0000 GreenScreen: LT-P1 RC: UNK NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	МАК	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	GHS - New Zealand	Eye irritation category 2
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
МАМ	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: vapor) - Category 3]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
МАМ	GHS - Japan	H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]
МАМ	GHS - New Zealand	Acute dermal toxicity category 3
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents
SUBSTANCE NOTES:		
VITRACOLOR H2O	%: 0.0000 - 0.0850	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATIO	N COMPLETED: No MATERIAL TYPE: Other: Paint
RESIDUALS AND IMPURITIES NOTE	ES: Residuals and impurities have not been cor	nsidered for this material.
OTHER MATERIAL NOTES: A content thickness.	nt range is provided because Vitracolor paint c	ontent percentage varies based on glass products and

HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:25:12
%: 22.4800 - 22.4800	GreenScreen: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Ca	rcinogen
CAN	CA EPA - Prop 65		Carcinogen - spe route	ecific to chemical form or exposure
CAN	IARC		Group 2B - Poss from occupation	ibly carcinogenic to humans - inhaled al sources
CAN	МАК		-	p 3A - Evidence of carcinogenic effect to establish MAK/BAT value
END	TEDX - Potential Endocrine Disr	uptors	Potential Endocr	ine Disruptor
CAN	МАК		Carcinogen Grou low risk under M	ip 4 - Non-genotoxic carcinogen with AK/BAT levels
CAN	EU - GHS (H-Statements) Annex	6 Table 3-1	H351 - Suspecte Category 2]	d of causing cancer [Carcinogenicity -
CAN	GHS - Japan		H351 - Suspecte Category 2]	d of causing cancer [Carcinogenicity -
МАМ	GHS - Japan		repeated exposu	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]
CAN	EU - Annex VI CMRs		Carcinogen Cate	gory 2 - Suspected human Carcinogen
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		Product Standard Restricted (RSL) - Effective July 1, 2022
			Cosmetics & Per	sonal Care Products
POSITIVE LIST	US Environmental Protection Ag EPA)	ency (US	US EPA - DfE Sa	fer Chemicals Ingredients list (SCIL)
			Colorants - Gree	n Circle (Verified Low Concern)

#### VITRACOLOR LOW VOC URITHANE PAINT %: 0.0000 - 0.0800

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Other: Paint

RESIDUALS AND IMPURITIES NOTES: There are no residuals and impurities above the threshold.

OTHER MATERIAL NOTES: A content range is provided because Vitracolor low VOC paint content percentage varies based on glass products and thickness.

#### METHOXYISOPROPYL ACETATE

ID: 108-65-6

			Some Solvents	
RESTRICTED LIST	Green Science Policy Institute (C	GSPI)	GSPI - Six Class	es of Problematic Chemicals
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
EYE	GHS - New Zealand		Eye irritation cate	egory 2
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
%: 20.0000 - 30.0000	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Film former
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:25:12

ISOBUTYL ACETATE				ID: <b>110-19-0</b>	
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:25:13	
%: 10.0000 - 20.0000	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Film former	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
РНҮ	EU - GHS (H-Statements) Annex	6 Table 3-1	H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]	
EYE	GHS - New Zealand		Eye irritation cat	tegory 2	
РНҮ	GHS - New Zealand		Flammable liquids category 2		
РНҮ	GHS - Japan		H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]	
РНҮ	GHS - Malaysia		H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]	
РНҮ	GHS - Australia		H225 - Highly fla liquids - Categor	ammable liquid and vapour [Flammable ry 2]	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (	GSPI)	GSPI - Six Class	ses of Problematic Chemicals	
			Some Solvents		

SUBSTANCE NOTES:

TOLUENE				ID: <b>108-</b> 6	38-3
HAZARD DATA SOUR	CE: Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:25:14	
%: 10.0000 - 20.0000	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor	
DEV	G&L - Neurotoxic Chemicals		Developmental I	Neurotoxicant	
DEV	CA EPA - Prop 65		Developmental t	coxicity	

MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1A]
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
МАМ	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - New Zealand	Reproductive toxicity category 2
REP	GHS - Korea	H361 - Suspected of damaging fertility or the unborn child [Reproductive toxicity - Category 2]
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 2
SKI	GHS - Korea	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
РНҮ	GHS - Korea	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
РНҮ	GHS - New Zealand	Flammable liquids category 2
РНҮ	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
РНҮ	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
DEV	GHS - Malaysia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
РНҮ	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents
SUBSTANCE NOTES:		

 UV INK
 %: 0.0000 - 0.0500

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

 RESIDUALS AND IMPURITIES NOTES: Non hazardous additions are present in the material but no addition is above the threshold reported.

OTHER MATERIAL NOTES: A content range is provided because UV Ink content percentage varies based on glass products and thickness.

2-PROPENOIC ACID, 2-P				
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:25:14
%: 10.0000 - 30.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Film former
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazard	to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard List
SUBSTANCE NOTES:				
2-PROPENOIC ACID, (5-E ESTER	ETHYL-1,3-DIOXAN-5-YL)METHYL			ID: 66492-51
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:25:14
%: <b>10.0000 - 30.0000</b>	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Film former
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Haza	rdous to	Class 2 - Hazard	to Waters
	Waters			
ADDITIONAL LISTINGS	Waters LIST NAME AND SOURCE		NOTIFICATION	
ADDITIONAL LISTINGS				listings found on Additional Hazard List
				listings found on Additional Hazard List
None found SUBSTANCE NOTES:	LIST NAME AND SOURCE			listings found on Additional Hazard List
None found SUBSTANCE NOTES: N-VINYLCAPROLACTAM	LIST NAME AND SOURCE	HAZARD SC	No	ID: 2235-00
None found SUBSTANCE NOTES: N-VINYLCAPROLACTAM	LIST NAME AND SOURCE	HAZARD SC RC: UNK	No	ID: 2235-00
None found SUBSTANCE NOTES: N-VINYLCAPROLACTAM	LIST NAME AND SOURCE		No CREENING DATE:	ID: 2235-00 2023-02-19 14:25:15
None found SUBSTANCE NOTES: N-VINYLCAPROLACTAM HAZARD DATA SOURCE: %: 10.0000 - 30.0000	LIST NAME AND SOURCE Pharos Chemical and Materials Library GreenScreen: LT-UNK		No CREENING DATE: NANO: No WARNINGS	ID: 2235-00 2023-02-19 14:25:15 SUBSTANCE ROLE: Diluent
None found SUBSTANCE NOTES: -VINYLCAPROLACTAM AZARD DATA SOURCE: %: 10.0000 - 30.0000 HAZARD TYPE	LIST NAME AND SOURCE Pharos Chemical and Materials Library GreenScreen: LT-UNK		No CREENING DATE: NANO: No WARNINGS	ID: 2235-00 2023-02-19 14:25:15

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

BM-4 Benchmark 4 (prefer-safer chemical)

GreenScreen (GS)

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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

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

# **Texture Etch** by Skyline Design

# **Health Product Declaration v2.3** created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31414

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design's proprietary Eco-etch® process engraves patterning into the glass surface using recycled aluminum oxide: a chemical-free and reusable abrasive. Glass products included in this HPD are Eco-etch®, and SkySafe<sup>™</sup>.

# Section 1: Summary

# CONTENT INVENTORY

Inventory	Reporting
Format	

Nested Materials Method C Basic Method

## Threshold Disclosed Per

O Material

- O Product
- 100 ppm C 1,000 ppm O Per GHS SDS C Other

**Residuals/Impurities Evaluation** Completed in 2 of 2 Materials

Explanation(s) provided for Residuals/Impurities? ⊙ Yes ○ No

# **Nested Method / Product Threshold**

For all contents above the threshold, the	manufacturer has:
Characterized	O Yes O No
Provided weight and role.	
Screened	O Yes O No
Provided screening results using HPDC-a,	pproved
methods.	
Identified	• Yes O No
Provided name and CAS RN or other iden	ntifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPI IRITY

#### GREENSCREEN SCORE | HAZARD TYPE

GLASS [ GLASS / MINERAL FIBER LT-UNK ] VITRACOLOR LOW VOC URITHANE PAINT [ METHOXYISOPROPYL ACETATE LT-UNK | EYE ISOBUTYL ACETATE LT-UNK | PHY | EYE TOLUENE BM-1 | END | DEV | MUL | REP | SKI | PHY | MAM | EYE | AQU ]

#### **VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added.

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified? O Yes

No

**PREPARER: Self-Prepared** VERIFIER: **VERIFICATION #:** 

SCREENING DATE: 2023-02-19 PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19

# Threshold Level

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

LASS	%: 99.9600				
RODUCT THRESHOLD: 100	ppm RESIDUALS AND IMPURITIE	ES EVALUATIO	ON COMPLETED:	No	MATERIAL TYPE: Glass
	S NOTES: Based on HPD or MSDS disclo dard MSDS reporting levels (10,000 ppm a		• • • •	bliers, the glass	substrate is not expected
THER MATERIAL NOTES: A	content range is provide because the gla	ass content pe	ercentage varies l	based on glass	thickness and products.
GLASS / MINERAL FIBER					ID: 65997-17-3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	CREENING DATE:	2023-02-19 1	4:27:49
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE	ROLE: Glass component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No war	nings found or	HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
			EU - REACH Ex	emptions	
EXEMPT	European Union / European Cor (EU EC)	nmission			

SUBSTANCE NOTES: Glass type used is Monolithic low-iron glass.

VITRACOLOR LOW VOC URITHANE PAI	NT %: 0.0400						
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPUI	RITIES EVALU	ATION COMPLET	ED: Yes	MATERIAL TYPE	E: Other: Paint	
RESIDUALS AND IMPURITIES NOTES: There are no residuals and impurities above the threshold.							
OTHER MATERIAL NOTES:							
METHOXYISOPROPYL ACETATE						ID: 108-65-6	
HAZARD DATA SOURCE: Pharos Che	emical and Materials Library	HAZARD SC	REENING DATE:	2023-02-19	9 14:27:50		
%: 20.0000 - 30.0000 Green	nScreen: LT-UNK	RC: UNK	NANO: No	SUBSTA	NCE ROLE: Film	n former	
HAZARD TYPE LIS	ST NAME AND SOURCE		WARNINGS				
EYE GH	IS - New Zealand		Eye irritation cate	egory 2			

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	LIST NAME AND SOURCE				
RESTRICTED LIST	Green Science Policy Institute (C	Green Science Policy Institute (GSPI)		GSPI - Six Classes of Problematic Chemicals		
			Some Solvents			
SUBSTANCE NOTES:						
ISOBUTYL ACETATE				ID: <b>110-19-0</b>		
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	CREENING DATE:	2023-02-19 14:27:51		
%: 10.0000 - 20.0000	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Film former		
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
РНҮ	EU - GHS (H-Statements) Annex	EU - GHS (H-Statements) Annex 6 Table 3-1		ammable liquid and vapour [Flammable ry 2]		
EYE	GHS - New Zealand	GHS - New Zealand		tegory 2		
РНҮ	GHS - New Zealand		Flammable liqui	ds category 2		
РНҮ	GHS - Japan		H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]		
РНҮ	GHS - Malaysia		H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]		
РНҮ	GHS - Australia		H225 - Highly fla liquids - Catego	ammable liquid and vapour [Flammable ry 2]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION			
RESTRICTED LIST	Green Science Policy Institute (G	SPI)	GSPI - Six Class	ses of Problematic Chemicals		
			Some Solvents			
SUBSTANCE NOTES:						
TOLUENE				ID: <b>108-88-3</b>		
HAZARD DATA SOURCE	Pharos Chemical and Materials Library	HAZARD SO		2023-02-19 14-27-51		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD S	CREENING DATE: 2	2023-02-19 14:27:51	
%: 10.0000 - 20.0000	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent	
HAZARD TYPE	LIST NAME AND SOURCE	LIST NAME AND SOURCE			
END	uptors	Potential Endocrin	e Disruptor		
DEV	G&L - Neurotoxic Chemicals	G&L - Neurotoxic Chemicals		Developmental Neurotoxicant	
DEV	CA EPA - Prop 65		Developmental toxicity		
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazard to	o Waters	
REP	CA EPA - Prop 65		Reproductive Toxi	city - Female	
REP	GHS - Japan		H360 - May damag reproduction - Cat	ge fertility or the unborn child [Toxic to regory 1A]	

SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
МАМ	EU - GHS (H-Statements) Annex 6 Table 3-1	H304 - May be fatal if swallowed and enters airways [Aspiration hazard - Category 1]
DEV	EU - GHS (H-Statements) Annex 6 Table 3-1	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
МАМ	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]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - New Zealand	Reproductive toxicity category 2
REP	GHS - Korea	H361 - Suspected of damaging fertility or the unborn child [Reproductive toxicity - Category 2]
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 2
SKI	GHS - Korea	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
РНҮ	GHS - Korea	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
РНҮ	GHS - New Zealand	Flammable liquids category 2
РНҮ	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
РНҮ	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
DEV	GHS - Malaysia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
РНҮ	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
SUBSTANCE NOTES:		

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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

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

# **Surface Etch** by Skyline Design

# **Health Product Declaration v2.3** created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31417

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design's proprietary Eco-etch® process engraves patterning into the glass surface using recycled aluminum oxide: a chemical-free and reusable abrasive. Glass products included in this HPD are Eco-etch®, and SkySafe™.

# 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 Evaluation Completed in 1 of 1 Materials Explanation(s) provided for Residuals/Impurities? © Yes O No		For all contents above the thresho Characterized Provided weight and role. Screened Provided screening results using to methods. Identified Provided name and CAS RN or oth	© Yes ○ No ⓒ Yes ○ No <i>HPDC-approved</i> ◯ 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. NESTED MATERIAL   MATERIAL OR SUBSTANCE   <i>RESIDUAL OR</i> <i>IMPURITY</i> GREENSCREEN SCORE   HAZARD TYPE GLASS [ GLASS / MINERAL FIBER LT-UNK]			Number of Greenscreen BM-4/BM3 contents 0 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) None Nanomaterial No INVENTORY AND SCREENING NOTES: Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added.		
VOLATILE ORGANIC COMPOUND (VOC) CONTENT VOC Content data is not applicable for this product category.			listings. VOC emiss CONSISTE Pre-check	ATIONS AND COMPLIANCE See Se sions: CDPH Standard Method - Nor ENCY WITH OTHER PROGRAMS ed for LEED v4 Option 1. ed for LEED v4.1 Option 1.	
Third Party Verified?		PREPARER: Self-Prep VERIFIER:	ared	SCREENING DATE: 202 PUBLISHED DATE: 202	

No

**VERIFICATION #:** 

EXPIRY DATE: 2026-02-19

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

LASS	%: 100.0000				
RODUCT THRESHOLD: 100	ppm RESIDUALS AND IMPURITIE	ES EVALUATIO	ON COMPLETED:	No	MATERIAL TYPE: Glass
	S NOTES: Based on HPD or MSDS disclo dard MSDS reporting levels (10,000 ppm a		0 11	pliers, the glass	substrate is not expected t
THER MATERIAL NOTES: A	content range is provide because the gla	ass content pe	ercentage varies b	based on glass	thickness and products.
GLASS / MINERAL FIBER					ID: 65997-17-3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2023-02-19 1	4:35:00
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE	ROLE: Glass component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No war	nings found or	HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
	LIST NAME AND SOURCE European Union / European Cor (EU EC)	nmission	NOTIFICATION	emptions	

SUBSTANCE NOTES: Glass type used is Monolithic low-iron glass.

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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

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

# Markerboard by Skyline Design

# Health Product Declaration v2.3 created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31418

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design glassboards are made with low-VOC and water-based paints that were developed exclusively for Skyline Design. An unlimited color palette creates writable surfaces. A steel backer makes the glass surface magnetic for magnets and accessories. Products included in this report: Define<sup>™</sup>, Flick<sup>™</sup>.

# Section 1: Summary

# CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation Completed in 1 of 3 Materials	For all contents above the threshold, the Characterized	e manufacturer has: © Yes O No
<ul> <li>Nested Materials Method</li> <li>Basic Method</li> </ul>	C 1,000 ppm C Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Provided weight and role. Screened	⊙ Yes ⊖ No
Threshold Disclosed Per C Material Product	© Other	⊙ Yes ⊖ No	Provided screening results using HPDC methods. Identified	C-approved ○ Yes ⊙ No
			Provided name and CAS RN or other id	lentifier.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

#### GREENSCREEN SCORE | HAZARD TYPE

GLASS [ GLASS / MINERAL FIBER LT-UNK ] GALVANIZED STEEL [ IRON, ELEMENTAL LT-P1 | END ZINC LT-P1 | END | MUL | PHY | AQU QUARTZ COATING BM-1\* | CAN | MAM | GEN MANGANESE LT-P1 | END | MUL | REP | MAM | AQU ] VITRACOLOR H2O [ TITANIUM DIOXIDE LT-1 | CAN | END | 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:

Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added. Chemical information for some substances have been undisclosed because of the proprietary reasons. One major exclusion from this disclosure is Pressure Sensitive Adhesive (PSA), which is a polymeric material and makes up 0.23% of the final product mass. Based on the regulatory sheet provided by the supplier, PSA is considered as an "article" exempt from the Safety Data Sheets (SDS) provisions of 29 C.F.R. 1910.1200(g)(6). Under normal conditions of use, "articles" do not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees. PSA also does not contain any of the twenty chemicals undergoing evaluation as High Priority under Toxic Substances Control Act (TSCA).

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

#### 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: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

# Nested Method / Product Threshold

Third Party Verified? O Yes O No PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2023-02-19 PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19 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

RODUCT THRESHOLD: 100 ppn	n RESIDUALS AND IMPURITIE	ES EVALUATI	ON COMPLETED	: No	MATERIAL TYPE: Glass
	DUALS AND IMPURITIES NOTES: Based on HPD or MSDS disclosures by Skyline Design's suppliers, the glass ain any residuals at standard MSDS reporting levels (10,000 ppm and 1,000 ppm). ER MATERIAL NOTES: ASS / MINERAL FIBER ZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-19 14 100.0000 - 100.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE I AZARD TYPE LIST NAME AND SOURCE WARNINGS one found No warnings found on DDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION	ss substrate is not expect			
-					
GLASS / MINERAL FIBER					ID: 65997-1
HAZARD DATA SOURCE: Pha	ros Chemical and Materials Library	HAZARD SO	CREENING DATE	: 2023-02-19	14:36:04
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANC	E ROLE: Glass compone
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No wa	rnings found c	on HPD Priority Hazard Lis
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
EXEMPT		mmission	EU - REACH E	kemptions	
				n REACH Anne	ex V listing due to intrinsic
SUBSTANCE NOTES: Glass ty	pe used is Monolithic low-iron glass.				
-					
ALVANIZED STEEL	%: 24.5800				
RODUCT THRESHOLD: 100 ppn	n RESIDUALS AND IMPURITI	ES EVALUATI	ON COMPLETED	: No	MATERIAL TYPE: Meta
			uated for galvani		

IRON, ELEMENTAL				I	D: 7439-89-6
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:36:04	
%: 95.7000 - 98.3000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Alloy	element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor	

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

#### ZINC

ID: 7440-66-6

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE: 2023-02-19 14:36:05
%: 0.5000 - 3.0000	GreenScreen: LT-P1	RC: UNK	NANO: No SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS
END	TEDX - Potential Endocrine Dis	ruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Haza Waters	ardous to	Class 2 - Hazard to Waters
РНҮ	EU - GHS (H-Statements) Anne:	< 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	EU - GHS (H-Statements) Anne:	c 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Anne:	c 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effect [Hazardous to the aquatic environment (chronic) - Category 1]
PHY	EU - GHS (H-Statements) Anne:	c 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
РНҮ	GHS - Australia		H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
РНҮ	GHS - New Zealand		Pyrophoric solids category 1
РНҮ	GHS - New Zealand		Self-heating substances and mixtures category 1
PHY	GHS - New Zealand		Substances and mixtures which, in contact with water emit flammable gases category 1
РНҮ	GHS - Australia		H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
AQU	GHS - New Zealand		Hazardous to the aquatic environment - acute categor 1
AQU	GHS - Japan		H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan		H410 - Very toxic to aquatic life with long lasting effect [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia		H410 - Very toxic to aquatic life with long lasting effect [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation	C2C Certified v4 Product Standard Restricted
	Institute (C2CPII)	Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation	C2C Certified v4 Product Standard Restricted
	Institute (C2CPII)	Substances List (RSL) - Effective July 1, 2022
		Children's Products

#### QUARTZ COATING

ID: 14808-60-7

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:36:06
%: 0.1000 - 1.0000	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Car	cinogen**
CAN	CA EPA - Prop 65		Carcinogen - spe route**	cific to chemical form or exposure
CAN	US NIH - Report on Carcinogens	8	Known to be Hum occupational sett	nan Carcinogen (respirable size - ing)**
CAN	МАК		Carcinogen Grou man**	p 1 - Substances that cause cancer in
CAN	IARC		Group 1 - Agent is from occupationa	s carcinogenic to humans - inhaled Il sources**
CAN	IARC		Group 1 - Agent is	s Carcinogenic to humans**
CAN	GHS - Japan		H350 - May cause 1A]**	e cancer [Carcinogenicity - Category
CAN	GHS - Australia		H350i - May caus - Category 1A or <sup>-</sup>	e cancer by inhalation [Carcinogenicity 1B]**
CAN	GHS - New Zealand		Carcinogenicity c	ategory 1**
MAM	GHS - Japan		repeated exposur	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]**
GEN	GHS - Japan		H341 - Suspected mutagenicity - Ca	d of causing genetic defects [Germ cell ategory 2]**
MAM	GHS - Australia			amage to organs through prolonged or re [Specific target organ toxicity - re - Category 1]**
MAM	GHS - New Zealand		Specific target or category 1**	gan toxicity - repeated exposure

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: \*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

#### MANGANESE

None found

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2023-02-19 14:36:06
%: <b>0.0000 - 0.9500</b>	GreenScreen: LT-P1	RC: None NANO: No SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disr	ptors Potential Endocrine Disruptor
MUL	German FEA - Substances Haza Waters	dous to Class 2 - Hazard to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic reproduction - Category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged 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]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	tion C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	tion C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products

VITRACOLOR H2O	%: 0.0600	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No	MATERIAL TYPE: Other: Paint
RESIDUALS AND IMPURITIES NOTES:	Residuals and impurities have not been considered for this material.	
OTHER MATERIAL NOTES:		

TITANIUM DIOXIDE				ID: 13463-67
HAZARD DATA SOURCE: I	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:36:06
%: 22.4800 - 22.4800	GreenScreen: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
CAN	US CDC - Occupational Carcino	gens	Occupational Car	cinogen
CAN	CA EPA - Prop 65		Carcinogen - spec route	cific to chemical form or exposure
CAN	IARC		Group 2B - Possil from occupationa	bly carcinogenic to humans - inhaled al sources
CAN	МАК			p 3A - Evidence of carcinogenic effects to establish MAK/BAT value
END	TEDX - Potential Endocrine Disr	uptors	Potential Endocri	ne Disruptor
CAN	МАК		Carcinogen Group low risk under MA	p 4 - Non-genotoxic carcinogen with AK/BAT levels
CAN	EU - GHS (H-Statements) Annex	6 Table 3-1	H351 - Suspected Category 2]	d of causing cancer [Carcinogenicity -
CAN	GHS - Japan		H351 - Suspected Category 2]	d of causing cancer [Carcinogenicity -
MAM	GHS - Japan		repeated exposur	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]
CAN	EU - Annex VI CMRs		Carcinogen Categ	gory 2 - Suspected human Carcinogen
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		Product Standard Restricted RSL) - Effective July 1, 2022
			Cosmetics & Pers	sonal Care Products
POSITIVE LIST	US Environmental Protection Ag EPA)	ency (US	US EPA - DfE Saf	er Chemicals Ingredients list (SCIL)
	y		Colorants - Green	n Circle (Verified Low Concern)

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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

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

# Mossa Mobile Board by Skyline Design

# Health Product Declaration v2.3

# created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31416

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design's Mossa<sup>™</sup> Mobile Glassboards are made with low-VOC and water-based paints that were developed exclusively for Skyline Design. An unlimited color palette creates a writable surface. Surrounded by a powder-coated steel frame with sturdy wheels for mobility.

# Section 1: Summary

## CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the n Characterized	nanufacturer has: ⊙ Yes ⊖ No
<ul> <li>Nested Materials Method</li> <li>Basic Method</li> </ul>	<ul> <li>⊙ 100 ppm</li> <li>○ 1,000 ppm</li> <li>○ Per GHS SDS</li> </ul>	Completed in 3 of 3 Materials Explanation(s) provided	Provided weight and role. Screened	⊙ Yes ⊖ No
Threshold Disclosed Per O Material O Product	C Other	for Residuals/Impurities? ⊙ Yes O No	<i>Provided screening results using HPDC-ap methods.</i> Identified	oproved ○ Yes ⊙ No
			Provided name and CAS RN or other ident	tifier.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

#### GREENSCREEN SCORE | HAZARD TYPE

GALVANIZED STEEL [ IRON, ELEMENTAL LT-P1 | END ZINC LT-P1 | END | MUL | PHY | AQU QUARTZ COATING BM-1 | CAN | MAM | GEN MANGANESE LT-P1 | END | MUL | REP | MAM | AQU CARBON LT-UNK PHOSPHORUS BM-2 | MAM | PHY | EYE | AQU | SKI SULFUR LT-UNK | SKI | MAM ] GLASS [ GLASS / MINERAL FIBER LT-UNK ] VITRACOLOR H20 [ TITANIUM DIOXIDE LT-1 | CAN | END | 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, BM-1

Nanomaterial ... No INVENTORY AND SCREENING NOTES:

Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added. Chemical information for some substances have been undisclosed because of the proprietary reasons. One major exclusion from this disclosure is Pressure Sensitive Adhesive (PSA), which is a polymeric material and makes up 0.11% of the final product mass. Based on the regulatory sheet provided by the supplier, PSA is considered as an "article" exempt from the Safety Data Sheets (SDS) provisions of 29 C.F.R. 1910.1200(g)(6). Under normal conditions of use, "articles" do not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees. PSA also does not contain any of the twenty chemicals undergoing evaluation as High Priority under Toxic Substances Control Act (TSCA).

#### 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: CDPH Standard Method - Not tested

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

- O Yes
- No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2023-02-19 PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19

# **Nested Method / Product Threshold**

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

GALVANIZED STEEL	%: 63.8000				
PRODUCT THRESHOLD: 10	0 ppm RESIDUALS AND IMPURITIE	S EVALUAT	ON COMPLETED:	No MATEF	RIAL TYPE: Metal
INCODUCT THRESHOLD: 100 ppm       RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No       MATERIAL         ISIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been evaluated for galvanized steel.       HER MATERIAL NOTES: All the substances above the reportable threshold have been included from the data sheet provided trailic coatings also have been incorporated.       Image: Coating the substances above the reportable threshold have been included from the data sheet provided trailic coatings also have been incorporated.         RON, ELEMENTAL       Image: Coating the substances and Materials Library       HAZARD SCREENING DATE:       2023-02-19 14:31:14         Image: Kardet the substances above the reportable threshold have been included from the data sheet provided trailic coatings also have been incorporated.       Image: Coating the substances above the reportable threshold have been included from the data sheet provided trailic coatings also have been incorporated.         RON, ELEMENTAL       Image: Coating the substance above the reportable threshold have been included from the data sheet provided trails:         Image: Kardet the substances above the reportable threshold have been included from the data sheet provided trails:       Image: Kardet trails:         Image: Kardet the substances above the reportable threshold have been included from the data sheet provided trails:       Image: Kardet trails:         Image: Kardet the substances above the reportable threshold have been included from the data sheet provided trails:       Image: Kardet trails:         Image: Kardet trail       Image: Kardet trails:       Image: Kardet train					
		reshold have	been included fro	m the data sheet provi	ded by the suppli
IRON, ELEMENTAL					ID: 7439-89
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:31:14	
%: 95.7000 - 98.3000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE	: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	rine Disruptor	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Addi	tional Hazard List
SUBSTANCE NOTES:					ID: <b>7440-66</b>
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:31:14	
%: 0.5000 - 3.0000	GreenScreen: LT-P1	RC: UNK	NANO: <b>No</b>	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	
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]	
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]	
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]	
РНҮ	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]	
РНҮ	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]	
РНҮ	GHS - New Zealand	Pyrophoric solids category 1	
РНҮ	GHS - New Zealand	Self-heating substances and mixtures category 1	
РНҮ	GHS - New Zealand	Substances and mixtures which, in contact with water, emit flammable gases category 1	
РНҮ	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]	
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1	
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]	
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]	
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]	
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 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 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022	
		Children's Products	
RESTRICTED LIST Green Science Policy Institute (GSPI)		GSPI - Six Classes of Problematic Chemicals	
		Antimicrobials	

#### QUARTZ COATING

ID: 14808-60-7

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:31:15	
%: 0.1000 - 1.0000	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Coating	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	US CDC - Occupational Carcino	US CDC - Occupational Carcinogens		Occupational Carcinogen	
CAN	CA EPA - Prop 65	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route	
CAN	US NIH - Report on Carcinogen	US NIH - Report on Carcinogens		Known to be Human Carcinogen (respirable size - occupational setting)	
CAN	МАК	МАК		Carcinogen Group 1 - Substances that cause cancer in man	
CAN	IARC	IARC		Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources	
CAN	IARC	IARC		Group 1 - Agent is Carcinogenic to humans	
CAN	GHS - Japan	GHS - Japan		H350 - May cause cancer [Carcinogenicity - Category 1A]	
CAN	GHS - Australia		H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]		
CAN	GHS - New Zealand		Carcinogenicity category 1		
МАМ	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
GEN	GHS - Japan		H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]		
MAM	GHS - Australia		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]		
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1			

None found

#### No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

#### MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	JREENING DATE:	2023-02-19 14:31:16
%: 0.0000 - 0.9500	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Alloy element
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
END	TEDX - Potential Endocrine Disr	uptors	Potential Endoc	crine Disruptor
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazar	d to Waters
REP	GHS - Japan		H360 - May dar reproduction - (	mage fertility or the unborn child [Toxic to Category 1B]
MAM	GHS - Japan		repeated expos	damage to organs through prolonged or sure [Specific target organs/systemic ng repeated exposure - Category 1]
MAM	GHS - Australia		repeated expos	damage to organs through prolonged or sure [Specific target organ toxicity - sure - Category 1]
MAM	GHS - Japan			damage to organs [Specific target ic toxicity following single exposure -
AQU	GHS - New Zealand		Hazardous to th category 3	he aquatic environment - chronic
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ration		4 Product Standard Restricted t (RSL) - Effective July 1, 2022
			Biological and I	Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation		4 Product Standard Restricted t (RSL) - Effective July 1, 2022
			Children's Prod	lucts
SUBSTANCE NOTES:				

 CARBON
 ID: 7440-44-0

 HAZARD DATA SOURCE:
 Pharos Chemical and Materials Library
 HAZARD SCREENING DATE: 2023-02-19 14:31:17

 %: 0.0000 - 0.2500
 GreenScreen: LT-UNK
 RC: UNK NANO: No SUBSTANCE ROLE: Tensile strength additive

 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 of Problematic Chemicals
			Antimicrobials
SUBSTANCE NOTES:			
PHOSPHORUS			ID: <b>7723-14-0</b>
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE: 2023-02-19 14:31:14
%: 0.0000 - 0.0400	GreenScreen: BM-2	RC: UNK	NANO: No SUBSTANCE ROLE: Corrosion inhibitor
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS
МАМ	US EPA - EPCRA Extremely Haz Substances	ardous	Extremely Hazardous Substances
МАМ	GHS - New Zealand		Specific target organ toxicity - repeated exposure category 1
РНҮ	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
МАМ	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
МАМ	GHS - New Zealand		Acute inhalation toxicity category 1
МАМ	GHS - New Zealand		Acute oral toxicity category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
			Cosmetics & Personal Care Products
SUBSTANCE NOTES:			

SULFUR				ID:	7704-34-9
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCF	REENING DATE:	2023-02-19 14:31:15	
%: 0.0000 - 0.0400	GreenScreen: LT-UNK	RC: UNK	NANO: No	SUBSTANCE ROLE: Impu	urity

		Antimicrobials
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
SKI	GHS - New Zealand	Skin irritation category 2
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS

GLASS	%: 36.0600	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No	MATERIAL TYPE: Glass

RESIDUALS AND IMPURITIES NOTES: Based on HPD or MSDS disclosures by Skyline Design's suppliers, the glass substrate is not expected to contain any residuals at standard MSDS reporting levels (10,000 ppm and 1,000 ppm).

OTHER MATERIAL NOTES:

	(EU EC)			REACH Annex V listing due to intrinsic
EXEMPT	European Union / European Con	nmission	EU - REACH Exe	emptions
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No war	nings found on HPD Priority Hazard Lists
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Glass component
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:31:16

SUBSTANCE NOTES: Glass type used is Monolithic low-iron glass.

VITRACOLOR H2O	%: 0.0300	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No	MATERIAL TYPE: Other: Paint
RESIDUALS AND IMPURITIES NOTES	Residuals and impurities have not been considered for this material.	

OTHER MATERIAL NOTES:

TITANIUM DIOXIDE

ID:	10/	162	67	7
ıυ.	134	+03-	-07-	•

		ID: 13463-67-
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2023-02-19 14:31:17
%: <b>22.4800 - 22.4800</b>	GreenScreen: LT-1	RC: UNK NANO: No SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcino	gens Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	МАК	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disr	uptors Potential Endocrine Disruptor
CAN	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	EU - GHS (H-Statements) Annex	6 Table 3-1 H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	ation C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Ag	ency (US US EPA - DfE Safer Chemicals Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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

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

# Laminated, PI, Ceramic Frit Digital Printing Glass by Skyline Design

#### HPD UNIQUE IDENTIFIER: 31415

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

**PRODUCT DESCRIPTION:** Laminated glass is available across a full spectrum of translucent colors, patterns, images, and graphics. Products included in this disclosure are Color Laminated Glass, White Laminated Glass, Laminated Glass with AST, Laminated Glass with printed interlayer.

## Section 1: Summary

#### CONTENT INVENTORY

Inventory	Reporting
Format	

Nested Materials Method
 Basic Method

#### Threshold Disclosed Per

C Material

- O Product

Threshold Level © 100 ppm © 1,000 ppm © Per GHS SDS © Other Residuals/Impurities Evaluation Completed in 3 of 3 Materials

Explanation(s) provided for Residuals/Impurities? • Yes • No

# **Nested Method / Product Threshold**

For all contents above the threshold, the m	anufacturer has:
Characterized	O Yes O No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using HPDC-ap	proved
methods.	
Identified	🔿 Yes 🖸 No
Provided name and CAS RN or other identi	ifier.

#### CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

#### GREENSCREEN SCORE | HAZARD TYPE

GLASS [ GLASS / MINERAL FIBER LT-UNK ] EVA COPOLYMER [ ETHYLENE VINYL ACETATE LT-UNK UNDISCLOSED LT-1 | MUL | REP | SKI | EYE | AQU | MAM ] CERAMIC INK [ FRITS, CHEMICALS LT-P1 | MUL UNDISCLOSED LT-1 | END | DEV | EYE | MAM | SKI TIN OXIDE NoGS 2-ETHANOL LT-P1 | END | EYE | MAM CYCLOHEXANONE LT-P1 | CAN | END | EYE | MAM | GEN | SKI | REP ] 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:

Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added. Chemical information for some substances have been undisclosed because of the proprietary reasons. One major exclusion from this disclosure is PI-PET, which is a polymeric material and makes upto 0.34% of the final product mass. Based on the regulatory sheet provided by the supplier, PI-PET is considered as an "article" exempt from the Safety Data Sheets (SDS) provisions of 29 C.F.R. 1910.1200(g)(6). Under normal conditions of use, "articles" do not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees.

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: CDPH Standard Method - Not tested

#### 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: 2023-02-19 PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19 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

	%: 95.6800 - 96.0300			
RODUCT THRESHOLD: 10	0 ppm RESIDUALS AND IMPURITIE	ES EVALUATIO	ON COMPLETED:	No MATERIAL TYPE: Glass
	ES NOTES: Based on HPD or MSDS disclo ndard MSDS reporting levels (10,000 ppm a			liers, the glass substrate is not expected
GLASS / MINERAL FIBER				ID: 65997-17-
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SO	CREENING DATE:	2023-02-19 14:29:20
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Glass component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard List
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
EXEMPT	European Union / European Con (EU EC)	nmission	EU - REACH Exemptions	
			Exempted from safety	REACH Annex V listing due to intrinsic
SUBSTANCE NOTES: Gla	ass type used is Monolithic low-iron glass.			
SUBSTANCE NOTES: Gla	ass type used is Monolithic low-iron glass.			
SUBSTANCE NOTES: Gla	ass type used is Monolithic low-iron glass.			
	ass type used is Monolithic low-iron glass. %: <b>3.9600 - 3.9700</b>			
VA COPOLYMER	%: 3.9600 - 3.9700		COMPLETED: Yes	MATERIAL TYPE: Polymeric Materi
VA COPOLYMER RODUCT THRESHOLD: 10	%: 3.9600 - 3.9700	VALUATION (		MATERIAL TYPE: Polymeric Materi
VA COPOLYMER RODUCT THRESHOLD: 10 ESIDUALS AND IMPURITIE	%: <b>3.9600 - 3.9700</b> 0 ppm RESIDUALS AND IMPURITIES E	VALUATION (		MATERIAL TYPE: Polymeric Materi
VA COPOLYMER RODUCT THRESHOLD: 10 ESIDUALS AND IMPURITIE THER MATERIAL NOTES:	%: 3.9600 - 3.9700 0 ppm RESIDUALS AND IMPURITIES E ES NOTES: There are no residuals and imp	VALUATION (		
VA COPOLYMER RODUCT THRESHOLD: 10 ESIDUALS AND IMPURITIE THER MATERIAL NOTES: ETHYLENE VINYL ACETA	%: 3.9600 - 3.9700 0 ppm RESIDUALS AND IMPURITIES E ES NOTES: There are no residuals and imp	VALUATION ( purities above	the threshold.	MATERIAL TYPE: Polymeric Materi ID: 24937-78 2023-02-19 14:29:20
VA COPOLYMER RODUCT THRESHOLD: 10 RESIDUALS AND IMPURITIE OTHER MATERIAL NOTES: ETHYLENE VINYL ACETA	%: 3.9600 - 3.9700 0 ppm RESIDUALS AND IMPURITIES E ES NOTES: There are no residuals and imp	VALUATION ( purities above	the threshold.	ID: 24937-78

None found

No warnings found on HPD Priority Hazard Lists

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2023-02-19 14:29:21	
%: 0.0000 - 5.0000	GreenScreen: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE: Oxidizing agent	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
MUL	ChemSec - SIN List		CMR - Carcinog Toxicant	en, Mutagen &/or Reproductive	
REP	EU - REACH Annex XVII CMRs	EU - REACH Annex XVII CMRs		luction Category 2 - Substances which ded as if they impair fertility or cause Toxicity in humans	
MUL	German FEA - Substances Haza Waters	rdous to	Class 2 - Hazaro	d to Waters	
SKI	EU - GHS (H-Statements) Annex	6 Table 3-1	H315 - Causes s Category 2]	skin irritation [Skin corrosion/irritation -	
EYE	EU - GHS (H-Statements) Annex	6 Table 3-1		serious eye irritation [Serious eye tation - Category 2A]	
AQU	EU - GHS (H-Statements) Annex	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]	
SKI	GHS - New Zealand		Skin irritation category 2		
EYE	GHS - New Zealand	GHS - New Zealand		tegory 2	
SKI	GHS - Australia	GHS - Australia		H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]	
EYE	GHS - Australia			serious eye irritation [Serious eye tation - Category 2A]	
MAM	GHS - Japan		H372 - Causes damage to organs through prolonger repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
SKI	GHS - New Zealand		Skin sensitisatio	on category 1	
AQU	GHS - New Zealand		Hazardous to the aquatic environment - chronic category 2		
REP	GHS - New Zealand		Reproductive toxicity category 2		
AQU	GHS - Japan		H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]		
AQU	GHS - Japan		-	c to aquatic life with long lasting effects ne aquatic environment (chronic) -	
AQU	GHS - Australia			aquatic life with long lasting effects ne aquatic environment (chronic) -	

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
None found		No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: Pr	oxy substance has been used as this is a p	proprietary substance.	
CERAMIC INK	%: 0.0000 - 0.1300		
PRODUCT THRESHOLD: 10	0 ppm RESIDUALS AND IMPURITIES	EVALUATION COMPLETED: Y	es MATERIAL TYPE: Other: Ink
	ES NOTES: There are no additional ingredio entrations applicable, are classified as haz		_
OTHER MATERIAL NOTES:	A content range is provided because cerar	nic ink content percentage vari	es based on glass products and thickness.
FRITS, CHEMICALS			ID: 65997-18-4
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SCREENING DATE:	2023-02-19 14:29:22
%: 30.0000 - 65.0000	GreenScreen: LT-P1	RC: UNK NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS	
MUL	German FEA - Substances Haza Waters	rdous to Class 2 - Hazard	to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION	
None found		No	listings found on Additional Hazard Lists
SUBSTANCE NOTES: Hig	gher percent range is used to represent all	glass products covered in this	HPD.
1			
UNDISCLOSED			ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-02-19 14:29:22

%: 25.0000 - 45.0000 GreenScreen: LT-1 RC: UNK NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS			
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor			
DEV	CA EPA - Prop 65	Developmental toxicity			
DEV	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity			
EYE	GHS - New Zealand	Eye irritation category 2			
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1			
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]			
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]			
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION			
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals			
		Some Solvents			
SUBSTANCE NOTES: This is a proprietary substance and has not been disclosed.					

TIN OXIDE					ID: 12534-33-7
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:29:20	
%: 10.0000 - 30.0000	GreenScreen: NoGS	RC: UNK	NANO: No	SUBSTANCE ROLE	Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warr	nings found on HPD Prior	rity Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No	listings found on Addition	nal Hazard Lists
SUBSTANCE NOTES:					
2-ETHANOL					ID: 112-34-5
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD S	CREENING DATE:	2023-02-19 14:29:21	
%: 4.0000 - 10.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE	Solvent

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
EYE	GHS - New Zealand	Eye irritation category 2
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Formulated Consumer Products
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents

CYCLOHEXANONE				ID: <b>108-9</b>	4-1
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	REENING DATE:	2023-02-19 14:29:22	
%: 5.0000 - 10.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Solvent	

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	МАК	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
EYE	GHS - New Zealand	Eye irritation category 2
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
МАМ	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: vapor) - Category 3]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	GHS - Japan	H311 - Toxic in contact with skin [Acute Toxicity (dermal) - Category 3]
МАМ	GHS - New Zealand	Acute dermal toxicity category 3
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes of Problematic Chemicals
		Some Solvents

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

#### **VOC EMISSIONS**

#### **CDPH Standard Method - Not tested**

CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: ISSUE DATE: 2022-11-08 EXPIRY DATE: CERTIFIER OR LAB: None

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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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

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# Vitracolor® Back-Painted Glass Wall-Cladding by Skyline Design

# **Health Product Declaration v2.3**

created via: HPDC Online Builder

#### HPD UNIQUE IDENTIFIER: 31419

CLASSIFICATION: 08 81 13 Decorative Glass Glazing

PRODUCT DESCRIPTION: Skyline Design Vitracolor® Wall-Cladding is made with low-VOC and water-based paints that were developed exclusively for Skyline Design. Proprietary process ensures consistent color and coverage from panel to panel with industry-defining color match technology. Vitracolor® Back-Painted Glass Wall-Cladding

# 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 Completed in 1 of 2 M Explanation(s) provid for Residuals/Impurit © Yes O No	aterials ed	For all contents above the thresho Characterized Provided weight and role. Screened Provided screening results using F methods. Identified Provided name and CAS RN or oth	© Yes ○ No © Yes ○ No <i>HPDC-approved</i> ○ 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. NESTED MATERIAL   MATERIAL OR SUBSTANCE   <i>RESIDUAL OR</i> <i>IMPURITY</i> GREENSCREEN SCORE   HAZARD TYPE GLASS [ GLASS / MINERAL FIBER LT-UNK] VITRACOLOR H20 [ TITANIUM DIOXIDE LT-1   CAN   END   MAM ]			Number of Greenscreen BM-4/BM3 contents 0 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) LT-1 Nanomaterial No INVENTORY AND SCREENING NOTES: Inventory has been developed using the material safety data sheets for each nested material and all the substances within each material that meets the inventory threshold has been added.		
VOLATILE ORGANIC COMPOUND (VOC) CONTENT VOC Content data is not applicable for this product category.			CERTIFICATIONS AND COMPLIANCE See Section 3 for addition listings. VOC emissions: CDPH Standard Method - Not tested CONSISTENCY WITH OTHER PROGRAMS Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4.1 Option 1.		
Third Party Verified? PREPARER: Self-Pre O Yes VERIFIER:		bared	SCREENING DATE: 202 PUBLISHED DATE: 202		

O Yes No

VERIFIER: **VERIFICATION #:** 

PUBLISHED DATE: 2023-02-19 EXPIRY DATE: 2026-02-19

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

LASS	%: 99.9200				
RODUCT THRESHOLD: 100 pp	m RESIDUALS AND IMPURITIE	S EVALUATI	ON COMPLETED:	No	MATERIAL TYPE: Glass
	IOTES: Based on HPD or MSDS disclo d MSDS reporting levels (10,000 ppm a		• • • •	oliers, the glass	substrate is not expected
THER MATERIAL NOTES:					
GLASS / MINERAL FIBER					ID: 65997-17-
HAZARD DATA SOURCE: Ph	aros Chemical and Materials Library	HAZARD SC	CREENING DATE:	2023-02-19 14	4:37:09
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE	ROLE: Glass component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No war	nings found on	HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
EXEMPT	European Union / European Con (EU EC)	nmission	EU - REACH Exe	emptions	
	· -/		Exempted from safety	REACH Annex	V listing due to intrinsic

SUBSTANCE NOTES: Glass type used is Monolithic low-iron glass.

#### **VITRACOLOR H2O**

%: 0.0800

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

MATERIAL TYPE: Other: Paint

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have not been considered for this material.

OTHER MATERIAL NOTES:

TITANIUM DIOXIDE					ID: 13463-67-7
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	HAZARD SC	CREENING DATE:	2023-02-19 14:37:10	
%: 22.4800 - 22.4800	GreenScreen: LT-1	RC: UNK	NANO: No	SUBSTANCE ROLE:	Pigment
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	US CDC - Occupational Carcino	ogens	Occupational Ca	arcinogen	
CAN	CA EPA - Prop 65		Carcinogen - spo route	ecific to chemical form or	exposure
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhal from occupational sources			ans - inhaled
CAN	МАК		-	up 3A - Evidence of carci t to establish MAK/BAT v	-
END	TEDX - Potential Endocrine Disr	ruptors	Potential Endoci	rine Disruptor	
CAN	МАК	МАК		Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
CAN	EU - GHS (H-Statements) Annex	EU - GHS (H-Statements) Annex 6 Table 3-1		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
CAN	GHS - Japan		H351 - Suspecte Category 2]	ed of causing cancer [Car	cinogenicity -
МАМ	GHS - Japan		repeated exposu	lamage to organs through ure [Specific target organ g repeated exposure - Ca	s/systemic
CAN	EU - Annex VI CMRs		Carcinogen Cate	egory 2 - Suspected huma	an Carcinogen
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innov Institute (C2CPII)	vation		Product Standard Restri (RSL) - Effective July 1, 2	
			Cosmetics & Per	rsonal Care Products	
POSITIVE LIST	US Environmental Protection Ag	gency (US	US EPA - DfE Sa	afer Chemicals Ingredient	s list (SCIL)
			Colorants - Gree	en Circle (Verified Low Co	ncern)

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	CDPH Standard Method - Not tested	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2022-11-08	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: AII	EXPIRY DATE:	
CERTIFICATE URL:		

CERTIFICATION AND COMPLIANCE NOTES: Glass is an inherently non-emitting source of VOCs and the Vitracolor H2O paint used is tested against the CDPH standards and is in complaint with maximum allowable concentrations for target VOCs. Even if the final product is not tested, it is expected to comply with the CDPH standards for VOC emissions.

# 🕒 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: Skyline Design ADDRESS: 1240 N Homan Ave Chicago IL 60651, USA WEBSITE: https://skydesign.com CONTACT NAME: Karen Buda-Valenzuela TITLE: Product Services PHONE: 888-278-4660 EMAIL: sales@skydesign.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

LT-P1 List Translator Possible 1 (Possible Benchmark-1) LT-1 List Translator 1 (Likely Benchmark-1) LT-UNK List Translator Benchmark Unknown NoGS No GreenScreen.

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)

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

#### **Recycled Types**

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

#### **Other Terms:**

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **Inventory Methods:**

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

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

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

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

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