

Name Skyline Design AST I™ Glass



Product ID Multiple (See Description) Classification 08 81 13.00 Openings (door ways): Decorative Glass Glazing

Website www.skydesign.com

Manufacturer Skyline Design Contact Name Mark Toth
Address 1240 N. Homan Ave. Title Sales Manager
Chicago, Illinois 60651 Phone 773-278-4660
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Description This Health Product Declaration Covers 1/4" -1/2" thick Skyline Design AST I™ glass products with any printed imagery. Components listed as undisclosed are listed as such to protect the intellectual property of Skyline Design and/or our suppliers. These components have been screened against the HPD Priority Hazard Lists, however, and any hazards found are reported in this HPD.

Release Date 2014-12-29 Expiry Date 2017-12-29 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/217/2536-20141229142138.pdf
Self-declared
Second Party
Third Party
Certifier
Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other.
Full Disclosure of Intentional Ingredients: Yes, No
Full Disclosure of Known Hazards: Yes, No
Disclosure 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). Some components of the finished AST I™ product are proprietary and Skyline Design has not yet been able obtain detailed data on the intentional ingredients and residuals for these components from our material suppliers. For those components where Skyline Design has been able to obtain this information, there are no Benchmark 1 or Possible Benchmark 1 residuals predicted by process chemistry calculations reported by material suppliers.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Undisclosed (Coating Resin) , Undisclosed (Coating Flattenner) , Unknown , Unknown , Unknown , Unknown , Unknown , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating Leveling Agent) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating Adhesion Promoter)

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory.
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Land toxicity, Multiple, Mammal, Physical hazard, Unknown, Skin or Eye, Global warming, Aquatic toxicity, Ozone depletion.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A.
Does the product contain exempt VOCs? N/A, Yes, No
Are there VOC-free tints available? N/A, Yes, No

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	98.5 - 99.76 %	LT-U	U	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic low-iron glass. A content range is provided because the glass content percentage varies based on glass thickness.						
Undisclosed (Coating Resin)	Undisclosed	0.18 - 0.36 %	LT-U	N	U	Coating: Resin
None found	No warnings found on HPD Priority lists					
A content range is provided because coating resin content percentage varies based on glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.05 - 0.09 %	LT-1	N	U	Coating: Flattener
CANCER	NIOSH-C: Occupational carcinogen					
A content range is provided because flattener content percentage varies based on glass thickness.						
Unknown	Unknown	0 - 0.3 %		U	U	White Ink
Unknown	Not disclosed by supplier					
The white ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the white ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.23 %		U	U	Yellow Ink
Unknown	Not disclosed by supplier					
The yellow ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the yellow ink content percentage varies based on the imagery printed and the glass thickness.						

Unknown	Unknown	0 - 0.21 %		U	U	Black Ink
Unknown	Not disclosed by supplier					
The black ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the black ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.15 %		U	U	Cyan Ink
Unknown	Not disclosed by supplier					
The cyan ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the cyan ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.14 %		U	U	Magenta Ink
Unknown	Not disclosed by supplier					
The magenta ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the magenta ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 - 0.01 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.003% to 0.005% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 - 0.01 %	LT-P1	N	U	Coating: UV Inhibitor
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.004% to 0.008% by weight. This range is provided because UV inhibitor content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.00005% to 0.0001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating Leveling Agent)	Undisclosed	0 %	LT-U	N	U	Coating: Leveling Agent
None found	No warnings found on HPD Priority lists					
Content range is 0.0006% to 0.001%. This content range is provided because leveling agent content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.001% to 0.002% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.002% to 0.004% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating Adhesion Promoter)	Undisclosed	0 %	LT-U	N	U	Coating: Adhesion Promoter
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					

Content range is 0.002% to 0.004% by weight. This range is provided because adhesion promoter content percentage varies based on glass thickness.

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.

Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the glass surface of AST I™ glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility	

Name Skyline Design AST III™ Glass



Product ID Multiple (See Description)

Classification 08 81 13.00 Openings (door ways):
Decorative Glass Glazing

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SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure

- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

Full Disclosure of Intentional Ingredients

Yes No

Full Disclosure of Known Hazards

Yes No

Disclosure 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). Some components of the finished AST III™ product are proprietary and Skyline Design has not yet been able obtain detailed data on the intentional ingredients and residuals for these components from our material suppliers. For those components where Skyline Design has been able to obtain this information, there are no Benchmark 1 or Possible Benchmark 1 residuals predicted by process chemistry calculations reported by material suppliers.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Undisclosed (Coating Binder) , Undisclosed (Coating Colorant) , Undisclosed (Coating Resin) , Undisclosed (Coating Flattener) , Unknown , Undisclosed (Coating Colorant) , Unknown , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Unknown , Unknown , Unknown , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Hardener) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Stabilizer) , Undisclosed (Coating Adhesion Promoter) , Undisclosed (Coating Colorant) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor)

Hazards

- PBT (Persistent Bioaccumulative Toxic)
- Cancer
- Gene Mutation
- Development
- Reproductive
- Endocrine
- Respiratory

Highest concern GreenScreen score - List Translator Benchmark 1

- Neurotoxicity
- Mammal
- Skin or Eye
- Aquatic toxicity
- Land toxicity
- Physical hazard
- Global warming
- Ozone depletion
- Multiple
- Unknown

Total VOC Content

Material (g/L) N/A

Regulatory (g/L) N/A

Does the product contain exempt VOCs? N/A Yes No

Are there VOC-free tints available? N/A Yes No

Notes

Certifications + Compliance

VOC Emissions Not tested

VOC Content

N/A

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GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	98.63 - 99.54 %	LT-U	U	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic low-iron glass. A content range is provided because the glass content percentage varies based on glass thickness.						
Undisclosed (Coating Binder)	Undisclosed	0.16 - 0.57 %	LT-U	N	N	Coating: Binder
None found	No warnings found on HPD Priority lists					
A content range is provided because binder content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0.07 - 0.44 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Resin)	Undisclosed	0.06 - 0.13 %	LT-U	N	U	Coating: Resin
None found	No warnings found on HPD Priority lists					
A content range is provided because coating resin content percentage varies based on glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.01 - 0.09 %	LT-U	N	N	Coating: Flattener
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because flattener content percentage varies based on glass thickness.						
Unknown	Unknown	0 - 0.11 %		U	U	White Ink

Unknown	Not disclosed by supplier					
The white ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the white ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.11 %	2	N	N	Coating: Colorant
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Unknown	Unknown	0 - 0.1 %		PI	U	Yellow Ink
Unknown	Not disclosed by supplier					
The yellow ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the yellow ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Unknown	Unknown	0 - 0.08 %		U	U	Magenta Ink
Unknown	Not disclosed by supplier					
The magenta ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the magenta ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.08 %		U	U	Black Ink
Unknown	Not disclosed by supplier					
The black ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the black ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.08 %		U	U	Cyan Ink
Unknown	Not disclosed by supplier					
The cyan ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the cyan ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.05 %	LT-U	N	N	Coating: Colorant

None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Content range is 0.00002% to .04%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Hardener)	Undisclosed	0 - 0.02 %	LT-U	N	N	Coating: Hardener
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Content range is 0.00002% to 0.02%. This content range is provided because hardener content percentage varies based glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 - 0.01 %	LT-P1	N	U	Coating: UV Inhibitor
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0.001% to 0.006% by weight. This range is provided because UV inhibitor content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %		PC	N	Coating: UV Stabilizer
None found	No warnings found on HPD Priority lists					
Content range is 0.0002% to 0.004%. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Adhesion Promoter)	Undisclosed	0 %	LT-U	U	U	Coating: Adhesion Promoter

MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
Content range is 0.0006% to 0.001% by weight. This range is provided because adhesion promoter content percentage varies based on glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 %	LT-U	U	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.004%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.0006% to 0.001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.0007% to 0.001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.0003% to 0.0005% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.00002% to 0.00003% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			

Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the glass surface of AST III™ glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility	
Isopropyl Alcohol	
When cleaning of the painted surface of a AST III™ glass panel is required Skyline Design recommends using isopropyl alcohol. See AST III™ documentation for cleaning details.	
Dow Corning 995 Structural Silicone Sealant (VOC 30.00 g/L)	
When an adhesive is to be used during installation, Skyline Design recommends the use of Dow-Corning 995 Structural Silicone Sealant. See AST III™ documentation for details. It is the responsibility of the installer to test and verify the suitability of any installation materials and/or methods.	

NOTES

Name Skyline Design AST III™ Magnetic Markerglass



Product ID Multiple (See Description)

Classification 08 81 13.00 Openings (door ways):
Decorative Glass Glazing

Website www.skydesign.com

Manufacturer Skyline Design
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- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

Full Disclosure of Intentional Ingredients

Yes No

Full Disclosure of Known Hazards

Yes No

Disclosure 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). Some components of the finished AST III™ Magnetic Markerglass product are proprietary and Skyline Design has not yet been able obtain detailed data on the intentional ingredients and residuals for these components from our material suppliers. For those components where Skyline Design has been able to obtain this information, there are no Benchmark 1 or Possible Benchmark 1 residuals predicted by process chemistry calculations reported by material suppliers.

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Hazards

- PBT (Persistent Bioaccumulative Toxic)
- Cancer
- Gene Mutation
- Development
- Reproductive
- Endocrine
- Respiratory

Highest concern GreenScreen score - List Translator Benchmark 1

- Neurotoxicity
- Mammal
- Skin or Eye
- Aquatic toxicity
- Land toxicity
- Physical hazard
- Global warming
- Ozone depletion
- Multiple
- Unknown

Total VOC Content

Material (g/L) N/A
Regulatory (g/L) N/A

Does the product contain exempt VOCs? N/A Yes No

Are there VOC-free tints available? N/A Yes No

Notes

Certifications + Compliance

VOC Emissions Not tested

VOC Content

N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	70.7 - 83 %	LT-U	U	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic low-iron glass. A content range is provided because the glass content percentage varies based on glass thickness.						
Steel	12597-69-2	15.09 - 25.85 %		U	U	Metal Backer: Substrate
None found	No warnings found on HPD Priority lists					
A content range is provided because steel content percentage varies based on glass thickness.						
Unknown	Unknown	1.31 - 2.25 %		U	U	Metal Backer: Coating
Unknown	Not disclosed by supplier					
The composition of the coating applied to the metal backer is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the metal backer coating content percentage varies based on glass thickness.						
Unknown	Unknown	0.15 - 0.25 %		U	U	Adhesive
Unknown	Not disclosed by supplier					
The composition of the adhesive is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the adhesive content percentage varies based on glass thickness.						
Undisclosed (Coating Binder)	Undisclosed	0.13 - 0.4 %	LT-U	N	N	Coating: Binder
None found	No warnings found on HPD Priority lists					
A content range is provided because binder content percentage varies based on coating color and glass thickness.						

Undisclosed (Coating Colorant)	Undisclosed	0.06 - 0.31 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Resin)	Undisclosed	0.05 - 0.09 %	LT-U	N	U	Coating: Resin
None found	No warnings found on HPD Priority lists					
A content range is provided because coating resin content percentage varies based on glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.01 - 0.06 %	LT-U	N	N	Coating: Flattener
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
Content range is 0.008% to 0.06%. This content range is provided because flattener content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0.01 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.0006% to 0.001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Unknown	Unknown	0 - 0.08 %		U	U	White Ink
Unknown	Not disclosed by supplier					
The white ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the white ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.08 %	2	N	N	Coating: Colorant
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Unknown	Unknown	0 - 0.07 %		U	U	Yellow Ink
Unknown	Not disclosed by supplier					
The yellow ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the yellow ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					

A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Unknown	Unknown	0 - 0.06 %		U	U	Cyan Ink
Unknown	Not disclosed by supplier					
The cyan ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the cyan ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.06 %		U	U	Magenta Ink
Unknown	Not disclosed by supplier					
The magenta ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the magenta ink content percentage varies based on the imagery printed and the glass thickness.						
Unknown	Unknown	0 - 0.06 %		U	U	Black Ink
Unknown	Not disclosed by supplier					
The black ink composition is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the black ink content percentage varies based on the imagery printed and the glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Content range is 0.000015% to .03%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						

A content range is provided because colorant content percentages vary based on coating color and glass thickness.

Undisclosed (Coating Hardener)	Undisclosed	0 - 0.01 %	LT-U	N	N	Coating: Hardener
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Content range is 0.000015% to 0.01%. This content range is provided because hardener content percentage varies based glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.00001% to 0.00002% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.0005% to 0.0009% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.001% to 0.004% by weight. This range is provided because UV inhibitor content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwWwS: Class 2 Hazard to Waters					
Content range is 0.0002% to 0.0004% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating Adhesion Promoter)	Undisclosed	0 %	LT-U	N	U	Coating: Adhesion Promoter
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
Content range is 0.0005% to 0.0008% by weight. This range is provided because adhesion promoter content percentage varies based on glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %		N	N	Coating: UV Stabilizer
None found	No warnings found on HPD Priority lists					
Content range is 0.0002% to 0.003%. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.003%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification	Certifier or Laboratory
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	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the glass surface of AST III™ Magnetic Markerglass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility	
Aluminum Z-Clip	
For AST III Magnetic Markerglass products with formed metal backers Skyline Design supplies an aluminum Z-Clip cleat to wall mount the markerglass panel. It is the responsibility of the installer to verify that the installation method is appropriate for site conditions and to furnish appropriate fasteners for mounting the Z-clip to the wall surface.	
Isopropyl Alcohol	
When cleaning of the painted surface of an AST III™ Magnetic Markerglass panel is required Skyline Design recommends using isopropyl alcohol. See AST III™ Magnetic Markerglass documentation for cleaning details.	

Dow Corning 995 Structural Silicone Sealant (VOC 30.00 g/L)	
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When an adhesive is to be used during installation, Skyline Design recommends the use of Dow-Corning 995 Structural Silicone Sealant. See AST III™ Magnetic Markerglass documentation for details. It is the responsibility of the installer to test and verify the suitability of any installation materials and/or methods.

NOTES

Name Skyline Design Eco-etch® Glass



Product ID Multiple (See Description)

Classification 08 81 13.00 Openings (door ways):
Decorative Glass Glazing

Website www.skydesign.com

Manufacturer Skyline Design
Address 1240 N. Homan Ave.
Chicago, Illinois 60651
United States

Contact Name Mark Toth
Title Sales Manager
Phone 773-278-4660
Email mark.t@skydesign.com

Description This Health Product Declaration covers all thicknesses and patterns of Skyline Design Eco-etch® glass.

Release Date 2014-12-29

Expiry Date 2017-12-29

HPD URL <https://tool.hpdcollaborative.org/uploads/files/hpds/217/2454-20141229161932.pdf>

Self-declared

Second Party

Third Party

Certifier

Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure

- Measured 100 ppm (ideal)
- Measured 1000 ppm
- Predicted by process chemistry
- As per MSDS (1,000 & 10,000 ppm)
- Not disclosed
- Other

Full Disclosure of Intentional Ingredients

Yes No

Full Disclosure of Known Hazards

Yes No

Disclosure 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). Additionally, Skyline Design's Eco-etch® process is not expected to contribute any residuals at these levels.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER

Hazards

- PBT (Persistent Bioaccumulative Toxic)
- Cancer
- Gene Mutation
- Development
- Reproductive
- Endocrine
- Respiratory

Highest concern GreenScreen score - List Translator Unspecified

- Neurotoxicity
- Mammal
- Skin or Eye
- Aquatic toxicity
- Land toxicity
- Physical hazard
- Global warming
- Ozone depletion
- Multiple
- Unknown

Total VOC Content

Material (g/L) N/A

Regulatory (g/L) N/A

Does the product contain exempt VOCs?

N/A Yes No

Are there VOC-free tints available?

N/A Yes No

Notes

Certifications + Compliance

VOC Emissions Not tested

VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

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CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	100 %	LT-U	PI	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic standard or low-iron glass. Contains 0-11% post-industrial recycled glass cullet, calculated as a percentage of raw material batch weight as reported by material supplier.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			

Recycled Content	Not tested		
Other			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning Eco-etch® glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility.	

NOTES

Name Skyline Design Textured Glass with Gloss Finish



Product ID Multiple (See Description) Classification 08 81 13.00 Openings (door ways): Decorative Glass Glazing

Website www.skydesign.com

Manufacturer Skyline Design Contact Name Mark Toth
Address 1240 N. Homan Ave. Title Sales Manager
Chicago, Illinois 60651 Phone 773-278-4660
United States Email john.e@skydesign.com

Description This Health Product Declaration Covers 1/4" -1/2" thick Skyline Design Textured Glass products with gloss finish. Components listed as undisclosed are listed as such to protect the intellectual property of Skyline Design and/or our suppliers. These components have been screened against the HPD Priority Hazard Lists, however, and any hazards found are reported in this HPD.

Release Date 2015-01-16 Expiry Date 2018-01-16
HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/217/2501-20150116165728.pdf
Self-declared Second Party Third Party Certifier Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure Full Disclosure of Intentional Ingredients Full Disclosure of Known Hazards Disclosure Notes
Measured 100 ppm (ideal) Measured 1000 ppm Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm) Not disclosed Other
Yes No Yes No
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). Additionally, as predicted by process chemistry data computed by Skyline Design's suppliers there are no anticipated Benchmark 1 or Possible Benchmark 1 residuals resulting from Skyline Design's gloss finish process.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Undisclosed (Coating Resin) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating Adhesion Promoter) , Undisclosed (Coating UV Inhibitor)

Hazards Highest concern GreenScreen score - List Translator Possible Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Development Reproductive Neurotoxicity Land toxicity Multiple
Cancer Endocrine Mammal Physical hazard Unknown
Gene Mutation Respiratory Aquatic toxicity Global warming Ozone depletion

Total VOC Content Material (g/L) N/A Regulatory (g/L) N/A
Does the product contain exempt VOCs? Are there VOC-free tints available?

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	99.74 - 99.87 %	LT-U	PI	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic standard or low-iron glass. Contains 0-11% post-industrial recycled glass cullet, calculated as a percentage of raw material batch weight as reported by material supplier. A content range is provided because the glass content percentage varies based on glass thickness.						
Undisclosed (Coating Resin)	Undisclosed	0.12 - 0.24 %	LT-U	N	U	Coating: Resin
None found	No warnings found on HPD Priority lists					
A content range is provided because the the coating resin content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.001% to 0.002% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.001% to 0.003% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	N	Coating: UV Inhibitor
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0.0005% to 0.001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	PC	U	Coating: UV Inhibitor

MULTIPLE

VwWwS: Class 2 Hazard to Waters

Content range is 0.00003% to 0.00006% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.

Undisclosed (Coating Adhesion Promoter)	Undisclosed	0 %	LT-U	PC	U	Coating: Adhesion Promoter
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MAMMALIAN
EU R-Phrases: R22: Harmful if swallowed.

SKIN IRRITATION
EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)

Content range is 0.001% to 0.002%. This content range is provided because adhesion promoter content percentage varies based on glass thickness.

Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	PC	U	Coating: UV Inhibitor
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PBT
DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms

MULTIPLE
VwWwS: Class 2 Hazard to Waters

Content range is 0.002% to 0.005%. This range is provided because UV inhibitor content percentage varies based on glass thickness.

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning gloss finished textured glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility	

NOTES

Name Skyline Design Textured Glass with Matte Finish



Product ID Multiple (See Description) Classification 08 81 13.00 Openings (door ways): Decorative Glass Glazing

Website www.skydesign.com

Manufacturer Skyline Design Contact Name Mark Toth
Address 1240 N. Homan Ave. Title Sales Manager
Chicago, Illinois 60651 Phone 773-278-4660
Email mark.t@skydesign.com

Description This Health Product Declaration Covers 1/4" -1/2" thick Skyline Design Textured Glass products with matte finish. Components listed as undisclosed are listed as such to protect the intellectual property of Skyline Design and/or our suppliers. These components have been screened against the HPD Priority Hazard Lists, however, and any hazards found are reported in this HPD.

Release Date 2015-01-16 Expiry Date 2018-01-16 HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/217/2550-20150116170243.pdf
Self-declared
Second Party
Third Party
Certifier
Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other.
Full Disclosure of Intentional Ingredients: Yes, No
Full Disclosure of Known Hazards: Yes, No
Disclosure 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). Additionally, as predicted by process chemistry data computed by Skyline Design's suppliers there are no anticipated Benchmark 1 or Possible Benchmark 1 residuals resulting from Skyline Design's matte finish process.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Undisclosed (Coating Resin) , Undisclosed (Coating Flatteners) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating Leveling Agent) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating UV Inhibitor) , Undisclosed (Coating Adhesion Promoter) , Undisclosed (Coating UV Inhibitor)

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory.
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Land toxicity, Multiple, Mammal, Physical hazard, Unknown, Skin or Eye, Global warming, Aquatic toxicity, Ozone depletion.

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A.
Does the product contain exempt VOCs? N/A, Yes, No
Are there VOC-free tints available? N/A, Yes, No

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	99.76 - 99.88 %	LT-U	PI	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic standard or low-iron glass. Contains 0-11% post-industrial recycled glass cullet, calculated as a percentage of raw material batch weight as reported by material supplier. A content range is provided because the glass content percentage varies based on glass thickness.						
Undisclosed (Coating Resin)	Undisclosed	0.09 - 0.18 %	LT-U	N	U	Coating: Resin
None found	No warnings found on HPD Priority lists					
A content range is provided because coating resin content percentage varies based on glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.02 - 0.04 %	LT-1	N	U	Coating: Flattener
CANCER	NIOSH-C: Occupational carcinogen					
A content range is provided because flattener content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor
None found	No warnings found on HPD Priority lists					
Content range is 0.001% to 0.002% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating Leveling Agent)	Undisclosed	0 %	LT-U	N	U	Coating: Leveling Agent
None found	No warnings found on HPD Priority lists					
Content range is 0.0003% to 0.0006%. This content range is provided because leveling agent content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %		N	U	Coating: UV Inhibitor

None found	No warnings found on HPD Priority lists					
Content range is 0.001% to 0.003.% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0.002% to 0.004% by weight. This range is provided because UV inhibitor content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0.00003% to 0.00005% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						
Undisclosed (Coating Adhesion Promoter)	Undisclosed	0 %	LT-U	N	U	Coating: Adhesion Promoter
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
SKIN IRRITATION	EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)					
Content range is 0.001% to 0.002% by weight. This range is provided because adhesion promoter content percentage varies based on glass thickness.						
Undisclosed (Coating UV Inhibitor)	Undisclosed	0 %	LT-P1	N	U	Coating: UV Inhibitor
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0.0005% to 0.001% by weight. This range is provided because UV inhibitor content percentage varies based on glass thickness.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			

Other			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the matte finished textured glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility	

NOTES

Name Skyline Design Vitracolor H2O Backpainted Glass



Product ID Multiple (See Description) Classification 08 81 13.00 Openings (door ways): Decorative Glass Glazing

Website www.skydesign.com/products/glass/vitracolor

Manufacturer Skyline Design Contact Name Mark Toth
Address 1240 N. Homan Ave. Title Sales Manager
Chicago, Illinois 60651 Phone 773-278-4660
Email mark.t@skydesign.com

Description This Health Product Declaration covers 1/4" to 1/2" thick Skyline Design Vitracolor H2O backpainted glass products in all standard and custom colors. Components listed as undisclosed are listed as such to protect the intellectual property of Skyline Design and/or our suppliers. These components have been screened against the HPD Priority Hazard Lists, however, and any hazards found are reported in this HPD.

Release Date 2015-01-16 Expiry Date 2018-01-16
HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/217/2446-20150116170351.pdf
Certifier Certificate #
Self-declared Second Party Third Party

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure Full Disclosure of Intentional Ingredients Full Disclosure of Known Hazards Disclosure Notes
Measured 100 ppm (ideal) Measured 1000 ppm Predicted by process chemistry As per MSDS (1,000 & 10,000 ppm) Not disclosed Other
Yes No Yes No
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). Additionally, as predicted by process chemistry data computed by Skyline Design's suppliers there are no anticipated Benchmark 1 or Possible Benchmark 1 residuals resulting from Skyline Design's Vitracolor H2O process.

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Undisclosed (Coating Binder) , Undisclosed (Coating Colorant) , Undisclosed (Coating Flattenner) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Hardener) , Undisclosed (Coating UV Stabilizer) , Undisclosed (Coating UV Stabilizer) , Undisclosed (Coating Colorant)

Hazards Highest concern GreenScreen score - List Translator Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Cancer Gene Mutation Development Reproductive Endocrine Respiratory
Neurotoxicity Mammal Skin or Eye Aquatic toxicity Land toxicity Physical hazard Global warming Ozone depletion Multiple Unknown

Total VOC Content Material (g/L) N/A Regulatory (g/L) N/A
Does the product contain exempt VOCs? Are there VOC-free tints available?

Notes

Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	99.21 - 99.6 %	LT-U	U	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic low-iron glass. A content range is provided because the glass content percentage varies based on glass thickness.						
Undisclosed (Coating Binder)	Undisclosed	0.16 - 0.57 %	LT-U	N	N	Coating: Binder
None found	No warnings found on HPD Priority lists					
A content range is provided because binder content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0.07 - 0.44 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.01 - 0.09 %	LT-U	N	N	Coating: Flattener
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because flattener content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.11 %	2	N	N	Coating: Colorant
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant

None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.09 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.05 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Content range is 0.00002% to 0.04%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.04 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						

Undisclosed (Coating Hardener)	Undisclosed	0 - 0.02 %	LT-U	N	N	Coating: Hardener
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Content Range is 0.00002% to 0.02% . This content range is provided because hardener content percentage varies based glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %		N	N	Coating: UV Stabilizer
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.004% by weight. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %	LT-P1	N	N	Coating: UV Stabilizer
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0% to 0.004% by weight. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.004% by weight. This range is provided because colorant content percentages vary based on coating color and glass thickness.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			
VOC Content	N/A			
Recycled Content	Not tested			

Other			

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the glass surface of Vitracolor H2O glass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility.	
Isopropyl Alcohol	
When cleaning of the painted surface of a Vitracolor H2O glass panel is required Skyline Design recommends using isopropyl alcohol. See Vitracolor H2O documentation for cleaning details.	
Dow Corning 995 Structural Silicone Sealant (VOC 30.00 g/L)	
When an adhesive is to be used during installation, Skyline Design recommends the use of Dow-Corning 995 Structural Silicone Sealant. See Vitracolor H2O documentation for details. It is the responsibility of the installer to test and verify the suitability of any installation materials and/or methods.	

NOTES

Name Skyline Design Vitracolor H2O Magnetic Markerglass



Product ID Multiple (See Description) Classification 08 81 13.00 Openings (door ways): Decorative Glass Glazing

Website www.skydesign.com/products/glass/vitracolor

Manufacturer Skyline Design Contact Name Mark Toth
Address 1240 N. Homan Ave. Title Sales Manager
Chicago, Illinois 60651 Phone 773-278-4660
Email mark.t@skydesign.com

Description This Health Product Declaration covers 1/4" to 1/2" thick Skyline Design Vitracolor H2O Magnetic Markerglass products in all standard and custom colors. Components listed as undisclosed are listed as such to protect the intellectual property of Skyline Design and/or our suppliers. These components have been screened against the HPD Priority Hazard Lists, however, and any hazards found are reported in this HPD.

Release Date 2014-12-29 Expiry Date 2017-12-29
HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/217/2558-20141229165451.pdf
Certifier Certicate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other.
Full Disclosure of Intentional Ingredients: Yes, No
Full Disclosure of Known Hazards: Yes, No
Disclosure 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). Some components of the finished Vitracolor H2O Magnetic Markerglass product are proprietary and Skyline Design has not yet been able obtain detailed data on the intentional ingredients and residuals for these components from our material suppliers. For those components where Skyline Design has been able to obtain this information, there are no Benchmark 1 or Possible Benchmark 1 residuals predicted by process chemistry calculations reported by material suppliers

Contents in Descending Order of Quantity

GLASS / MINERAL FIBER , Steel , Unknown , Unknown , Undisclosed (Coating Binder) , Undisclosed (Coating Colorant) , Undisclosed (Coating Flattener) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Colorant) , Undisclosed (Coating Hardener) , Undisclosed (Coating Colorant) , Undisclosed (Coating UV Stabilizer) , Undisclosed (Coating UV Stabilizer)

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory.
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Land toxicity, Mammal, Physical hazard, Skin or Eye, Global warming, Aquatic toxicity, Ozone depletion, Multiple, Unknown

Total VOC Content Material (g/L) N/A Regulatory (g/L) N/A
Does the product contain exempt VOCs? N/A, Yes, No
Are there VOC-free tints available? N/A, Yes, No

Notes

Certifications + Compliance

VOC Emissions

Not tested

VOC Content

N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
GLASS / MINERAL FIBER	65997-17-3	71 - 83.04 %	LT-U	U	U	Glass Substrate
None found	No warnings found on HPD Priority lists					
Monolithic low-iron glass. A content range is provided because the glass content percentage varies based on glass thickness.						
Steel	12597-69-2	15.13 - 25.87 %		U	U	Metal Backer: Substrate
None found	No warnings found on HPD Priority lists					
A content range is provided because steel content percentage varies based on glass thickness.						
Unknown	Unknown	1.3 - 2.25 %		U	U	Metal Backer: Coating
Unknown	Not disclosed by supplier					
The composition of the coating applied to the metal backer is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the metal backer coating content percentage varies based on glass thickness.						
Unknown	Unknown	0.15 - 0.25 %		U	U	Adhesive
Unknown	Not disclosed by supplier					
The composition of the adhesive is proprietary and has not been disclosed by Skyline Design's supplier. A content range is provided because the adhesive content percentage varies based on glass thickness.						
Undisclosed (Coating Binder)	Undisclosed	0.13 - 0.41 %	LT-U	N	N	Coating: Binder
None found	No warnings found on HPD Priority lists					
A content range is provided because binder content percentage varies based on coating color and glass thickness.						

Undisclosed (Coating Colorant)	Undisclosed	0.06 - 0.31 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Flattener)	Undisclosed	0.01 - 0.06 %	LT-U	N	N	Coating: Flattener
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
Content range is 0.008% to 0.06%. This range is provided because flattener content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.08 %	2	N	N	Coating: Colorant
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.06 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-1	N	N	Coating: Colorant
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Content range is 0.00002% to 0.03%. This content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					

A content range is provided because colorant content percentages vary based on coating color and glass thickness.

Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 - 0.03 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
A content range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating Hardener)	Undisclosed	0 - 0.01 %	LT-U	N	N	Coating: Hardener
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced					
Content Range is 0.00002% to 0.01% . This content range is provided because hardener content percentage varies based glass thickness.						
Undisclosed (Coating Colorant)	Undisclosed	0 %	LT-U	N	N	Coating: Colorant
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.003% by weight. This range is provided because colorant content percentages vary based on coating color and glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %	LT-P1	N	N	Coating: UV Stabilizer
PBT	DSL: Persistent, Bioaccumulative and inherently Toxic (PBiT) to aquatic organisms					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Content range is 0% to 0.003% by weight. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						
Undisclosed (Coating UV Stabilizer)	Undisclosed	0 %		N	N	Coating: UV Stabilizer
None found	No warnings found on HPD Priority lists					
Content range is 0% to 0.003% by weight. This range is provided because UV stabilizer content percentage varies based on coating color and glass thickness.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	Not tested			

VOC Content	N/A			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	
Water and distilled white vinegar (4:1 mixture)	
Skyline Design recommends cleaning the glass surface of Vitracolor H2O Magnetic Markerglass panels with a 4:1 mixture of water and distilled white vinegar. Pigment, ammonia, and residue free glass cleaners may also be used. It is the responsibility of the client and/or installer to test any alternate cleaning products for compatibility.	
Isopropyl Alcohol	
When cleaning of the painted surface of a Vitracolor H2O Magnetic Markerglass panel is required Skyline Design recommends using isopropyl alcohol. See Vitracolor H2O Magnetic Markerglass documentation for cleaning details.	
Dow Corning 995 Structural Silicone Sealant (VOC 30.00 g/L)	
When an adhesive is to be used during installation, Skyline Design recommends the use of Dow-Corning 995 Structural Silicone Sealant. See Vitracolor H2O Magnetic Markerglass documentation for details. It is the responsibility of the installer to test and verify the suitability of any installation materials and/or methods.	
Aluminum Z-Clip	
For Vitracolor H2O Magnetic Markerglass products with formed metal backers Skyline Design supplies an aluminum Z-Clip cleat to wall mount the markerglass panel. It is the responsibility of the installer to verify that the installation method is appropriate for site conditions and to furnish appropriate fasteners for mounting the Z-clip to the wall surface.	

NOTES

