

Name **VividGlass™**
 Product ID VividGlass (patterns without pigment) Classification 88100
 Website <http://forms-surfaces.com/vividglass>
 Manufacturer Forms+Surfaces Contact Name Sandra Closson
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Description VividGlass is safety laminated decorative glass. This HPD applies to ViviChrome™, ViviGraphix™ and ViviStone™ patterns that do not contain pigment.

Release Date 26-Nov-2013 Self-declared
 Expiry Date 25-Nov-2016 Second Party Certifier N/A
 HPD URL Third Party Certificate #

SUMMARY

The content of this product was assessed for health hazard warnings as required using Pharos Project Material and Chemical Library

Residuals Disclosure Full Disclosure of Intentional Ingredients Yes No
 Measured 100 ppm (ideal) Full Disclosure of Known Hazards Yes No
 Measured 1000 ppm Disclosure Notes
 Predicted by process chemistry
 As per MSDS (1,000 & 10,000 ppm)
 Not disclosed
 Other

Contents in Descending Order of Quantity (if the area below is full, refer to the following pages for additional listings)

Glass, Polyvinyl Butyral, Triethyleneglycol- bis -2-ethyl hexanoat, Polyethylene Terephthalate, Tetraethyleneglycol DI-N-Heptanoate, Bis-(2-butoxyethyl)adipat - DBEA, Polyolefin.

Hazards Highest concern GreenScreen score - no ingredients benchmarked
 PBT Development Neurotoxicity Land toxicity Multiple
(Persistent and Bioaccumulative Toxic) Reproductive Mammal Physical hazard Unknown
 Cancer Endocrine Skin or Eye Global warming
 Gene mutation Respiratory Aquatic toxicity Ozone depletion

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

Certifications and Compliance (if the area below is full, refer to the following pages for additional listings)

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

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

Ingredient Name	number	% 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	65997-17-3	90.0%		No	No	Glass
None found	No warnings found on HPD Priority Lists					
Polyvinyl Butyral	63148-65-2	5.6%-9.0%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Triethyleneglycol- bis -2-ethyl hexanoat	94-28-0	1.3%-3.0%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Polyethylene Terephthalate	25038-59-9	0%-1.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Tetraethyleneglycol DI-N-Heptanoate	70729-68-9	0%-1.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
Bis-(2-butoxyethyl)adipat - DBEA	141-18-4	0.1%-0.3%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
This ingredient was not found in the Pharos Chemical and Material Library						
Polyolefin		0%-0.5%		No	No	Film component
None found	No warnings found on HPD Priority Lists					
This ingredient was not found in the Pharos Chemical and Material Library						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = Self declaration : Manufacturer's self-declaration; **Independent lab** : Manufacturer's self-declaration using results from an independent lab and declaration of conformance. **Second Party**: Verification by trade association or other interested party; **Third Party**: 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			Certification & Compliance Notes
VOC Emissions <i>(interior products only)</i>	Not tested			
VOC Content <i>(wet applied only)</i>	N/A			
Recycled Content	Self declaration			
Other				
Other				
Other				
Other				
Other				
Other				
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	
01	Standard commercial, non-streaking cleaners/polishes for glass
Recommended during routine maintenance.	
02	
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NOTES

Agency/List Abbreviation	Full List Title	Hazard Issuing Agency	URL
AOEC	AOEC Exposure Codes - Asthmagens List	Association of Occupational and Environmental Clinics	www.aoec.org/tools.htm
DSL	Canadian Environmental Protection Act (CEPA) - Environmental Registry - Domestic Substances List (DSL)	Environment Canada & Health Canada	www.ec.gc.ca/CEPARRegistry/subs_list/dsl/dslsearch.cfm
EPA Action	Chemicals of Concern Action Plans	US Environmental Protection Agency	www.epa.gov/oppt/existingchemicals/
EPA PBT	Priority PBT Profiles	US Environmental Protection Agency	www.epa.gov/opptintr/pbt/pubs/cheminfo.htm
EPA-C	Integrated Risk Information System Database (IRIS)	US Environmental Protection Agency	www.epa.gov/ncea/iris/search_human.htm
EPA-GW	Global Warming Potentials of Ozone Depletors and Substitutes	US Environmental Protection Agency	www.epa.gov/ozone/geninfo/gwps.html
EPA-ODS	Ozone-Depleting Substances (ODS) Class I & Class II	US Environmental Protection Agency	www.epa.gov/spdpublic/science/ods/index.html
EU CMR(1)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) Dangerous Substances Directive (DSD) REACH Annex XVII	European Commission	eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2007:136:0003:0280:EN:PDF
EU CMR(2)	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP) CMR GHS Categories	European Commission	http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm
EU ED	EU Community Strategy for Endocrine Disrupters - Priority List	European Commission	ec.europa.eu/environment/endocrine/strategy/substances_en.htm
EU H-Statements	Regulation on the Classification, Labelling & Packaging of Substances & Mixtures (CLP) Annex 6 Table 3-1 - GHS Hazard code criteria	European Commission	ec.europa.eu/enterprise/sectors/chemicals/documents/classification/
EU Ozone	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer - Controlled substances and new substances	European Commission	ec.europa.eu/environment/ozone/controlled_ods.htm
EU PBT	European chemical Substances Information System (ESIS) - PBT List	European Commission	esis.jrc.ec.europa.eu/index.php?PGM=pbt
EU R-Phrases	Substances with EU Risk & Safety Phrases (Commission Directive 67-548-EEC)	European Commission	ec.europa.eu/enterprise/sectors/chemicals/documents/classification/
EU SVHC	Substances of Very High Concern for authorisation - REACH Annex XIV	European Commission	echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp
G&L Neuro	Developmental neurotoxicity of industrial chemicals, List of 201 Chemicals known to be neurotoxic in man	Lancet: authors Philippe Grandjean & Phil Landrigan	not available
IARC	Monographs On the Evaluation of Carcinogenic Risks to Humans	International Agency for Research on Cancer, World Health Organization	monographs.iarc.fr/ENG/Classification/index.php
MAK	Occupational Toxicants and MAK Values: Annual Thresholds and Classifications for the Workplace	MAK Commission of Germany	http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html
NIOSH-C	NIOSH Carcinogen List	US Centers for Disease Control, National Institute of Occupational Safety and Health	www.cdc.gov/niosh/topics/cancer/npotocca.html

Agency/List Abbreviation	Full List Title	Hazard Issuing Agency	URL
NTP-OHAaT	Expert Panel Reports & Monographs on Reproductive and Developmental Toxicity	US Dept of Health & Human Services, National Toxicology Program (NTP), Office of Health Assessment and Translation	cerhr.niehs.nih.gov/chemicals
NTP-RoC	National Toxicology Program (NTP) 12th Report on Carcinogens	US Dept of Health & Human Services	ehis.niehs.nih.gov/roc
NWMP Priority	National Waste Minimization Program Priority Chemicals List	US Environmental Protection Agency	www.epa.gov/epawaste/hazard/wastemin/priority.htm
OR P3	Priority Persistent Pollutant (P3) List	State of Oregon Department of Environmental Quality	www.deq.state.or.us/wq/SB737
OSPAR	OSPAR Convention For The Protection of the Marine Environment of the North-East Atlantic Chemical Lists of Priority Action & Possible Concern	Oslo-Paris Convention Commission	www.ospar.org/content/content.asp?menu=00940304440000_000000_000000
Prop 65	Chemicals Known to the State to Cause Cancer or Reproductive Toxicity - California Proposition 65	State of California Environmental Protection Agency	www.oehha.ca.gov/prop65/prop65_list/Newlist.html
San Antonio	San Antonio Statement on Brominated and Chlorinated Flame Retardants	Environmental Health Perspectives	ehp03.niehs.nih.gov/article/info:doi/10.1289/ehp.1003089
SIN	SIN (Substitute It Now) List	ChemSec, The International Chemical Secretariat	www.chemsec.org/list
Stockholm	Stockholm Convention on Persistent Organic Pollutants (POPs) - Annex A, B & C and under Review	United Nations Environment Programme	chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx
TEDX	TEDX List of Potential Endocrine Disruptors	The Endocrine Disruption Exchange (TEDX)	www.endocrinedisruption.org
TRI PBT	TRI PBT Chemical List	US Environmental Protection Agency	www.epa.gov/triinter/trichemicals/pbt%20chemicals/pbt_chem_list.htm
VwVwS	Administrative Regulation on the Classification of Substances hazardous to waters	German Federal Environment Agency	webrigoletto.uba.de/rigoletto/public/language.do;jsessionid=61D845CE75D839F7658BF283C97DA7E2?language=english
WA PBT	Chapter 173-333 WAC Persistent Bioaccumulative Toxins	State of Washington Department of Ecology	apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310