

Name Orient ®



Product ID Orient Classification 06 00 00.00 Wood, Plastics, and Composites: Wood, Plastics, Composites

Website www.TorZoSurfaces.com/products/Orient

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Description The unique, abstract pattern of Orient® comes from SFI-certified recycled wood chips, and is sure to draw attention in any setting. From countertops to flooring, Orient is a very versatile material that gives any project an added layer of depth and sophistication. Like all TorZo Surfaces products, Orient contains no added urea formaldehyde and can contribute to LEED® certification for Green Building projects. Also includes CSI 06 83 13.00 Wood, Plastics, and Composites (Framing): Resin Composite Paneling; CSI 09 64 29: Resin Infused Composite Flooring; and CSI 09 78 00: Resin Infused Composite Wall Panels.

Release Date 2016-04-13 Expiry Date 2019-04-13 HPD URL http://www.torzosurfaces.com/down
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
All potential residuals that trigger a GreenScreen Benchmark 1 or Possible Benchmark 1 have been disclosed, as predicted by process chemistry (Pharos CML) and/or based on supplier statements.

Contents in Descending Order of Quantity

Undisclosed (Acrylic Resin) , Wood Fiber - unspecified , PHENOL FORMALDEHYDE , Undisclosed (Pigments and Related Additives) , Undisclosed (Pigments and Related Additives) , Slack Wax (petroleum) , PARAFFIN OIL , PHENOL , SILVER

Hazards Highest concern GreenScreen score - List Translator Benchmark 1
PBT (Persistent Bioaccumulative Toxic) Development Reproductive Neurotoxicity Land toxicity Multiple
Cancer Endocrine Mammal Physical hazard Unknown
Gene Mutation Respiratory 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? Are there VOC-free tints available?

Notes

Certifications + Compliance

VOC Emissions CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario 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](http://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](http://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
<b>Hazard A</b>	<b>Warning A</b>					
<b>Hazard B</b>	<b>Warning B</b>					
<b>Hazard C</b>	<b>Warning C</b>					
<b>Hazard D</b>	<b>Warning D</b>					
<b>Hazard E</b>	<b>Warning E</b>					
<b>Notes</b>						
<b>Undisclosed (Acrylic Resin)</b>	Undisclosed	55 - 55.6 %		N	N	Acrylic Resin
None found	No warnings found on HPD Priority lists					
This ingredient is held as proprietary by the manufacturer; however, all known hazards have been disclosed. Listed as "inert" material by TOXNET ( <a href="http://chem.sis.nlm.nih.gov">http://chem.sis.nlm.nih.gov</a> ). Not a dangerous substance according to CLP - GHS. This substance is not classified as dangerous according to Directive 67/548/EEC and CE 1272/2008. This material is not considered hazardous by the OSHA Hazard Communication Standard (29 1910.1200). Pharos Chemical and Material Library (CML) currently lists this chemical as UNK, stating that "Process chemistry has not yet been researched for this material or its contents." Hazard information for this chemical will be periodically reviewed, and this HPD will be updated accordingly.						
<b>Wood Fiber - unspecified</b>		39.4 - 44.6 %		N	N	OSB Substrate
None found	No warnings found on HPD Priority lists					
OSB available as SFI® or FSC® Chain of Custody certified on request. Percent range given based on information disclosed via OSB Supplier SDS. Efforts are being made to obtain more detailed information on material ingredients from OSB Supplier.						
<b>PHENOL FORMALDEHYDE</b>	9003-35-4	4.5 %	LT-UNK	N	N	OSB Adhesive/Binder
None found	No warnings found on HPD Priority lists					
Cured Phenol Formaldehyde Adhesive Resin Solid. OSB Supplier SDS states that less than 0.01% of free formaldehyde remains in product. OSB Adhesive/Binder may also include Cured Polymeric Diphenylmethane Diisocyanate (PMDI) Adhesive (9016-87-9); LT-UNK   RES   MUL   CAN. OSB Supplier SDS states: "Once pressed these wood panels do not contain free or unreacted MDI." Efforts are being made to obtain more detailed information on material ingredients from OSB Supplier. Percent listed represents maximum Adhesive/Binder used in product formulation.						
<b>Undisclosed (Pigments and Related Additives)</b>	Undisclosed	0.1 - 0.2 %	LT-UNK	N	N	Pigment
None found	No warnings found on HPD Priority lists					
This ingredient is held as proprietary by the manufacturer; however, all known hazards are disclosed.						

<b>Undisclosed (Pigments and Related Additives)</b>	Undisclosed	0.1 %	LT-UNK	N	N	Pigment
None found	No warnings found on HPD Priority lists					
This ingredient is held as proprietary by the manufacturer; however, all known hazards are disclosed.						
<b>Slack Wax (petroleum)</b>	64742-61-6	0 - 2.3 %	LT-1	N	N	OSB Slack Wax
CANCER	EU - R-phrases: R45 - May cause cancer (also in EU - GHS (H-Statements), EU - REACH Annex XVII CMRs, EU - Annex VI CMRs)					
MULTIPLE	ChemSec - SIN List: CMR - Carcinogen, Mutagen &/or Reproductive Toxicant (also in German FEA - Substances Hazardous to Waters)					
Percent range given based on information disclosed via OSB Supplier SDS. Efforts are being made to obtain more detailed information on material ingredients from OSB Supplier.						
<b>PARAFFIN OIL</b>	8012-95-1	R	LT-P1			Monomer
RESPIRATORY	AOEC - Asthmagens: Asthmagen (G) - generally accepted					
As predicted by process chemistry (Pharos CML). Source: Slack Wax (petroleum)						
<b>PHENOL</b>	108-95-2	R	LT-P1			Monomer
MAMMALIAN	EU - R-phrases: R25 - Toxic if Swallowed (also in EU - GHS (H-Statements))					
SKIN IRRITATION	EU - R-phrases: R34 - Causes burns (also in EU - GHS (H-Statements))					
ORGAN TOXICANT	EU - R-phrases: R48: Danger of serious damage to health by prolonged exposure.					
GENE MUTATION	EU - R-phrases: R68 - May cause irreversible effects (also in EU - GHS (H-Statements))					
ENDOCRINE	TEDX - Potential Endocrine Disruptors: Potential Endocrine Disruptor					
MULTIPLE	German FEA - Substances Hazardous to Waters: Class 2 - Hazard to Waters					
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
As predicted by process chemistry (Pharos CML). Source: PHENOL FORMALDEHYDE						
<b>SILVER</b>	7440-22-4	R	LT-P1			Catalyst
MULTIPLE	German FEA - Substances Hazardous to Waters: Class 3 - Severe Hazard to Waters					
As predicted by process chemistry (Pharos CML). Source: PHENOL FORMALDEHYDE						

## 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	CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario - California Department of Public Health (CDPH)			Eurofins Product Testing
	Voluntary	2013-10-23		<a href="http://ow.ly/Ypkdh">ow.ly/Ypkdh</a>
	Woodburn, OR 97071			

Certificate No.: 18571-1309027R. Reference Standard: CDPH/EHLB/SM V1.1, 2010 "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1" (CA 01350). Complies with the ≤1/2 CA CREL and formaldehyde maximum allowable concentration criteria specified in SMV1.1 Table 4.1, when modeled for wallcovering area in the classroom and office environments defined in Tables 4.2 - 4.5, and when modeled for flooring area in the residential environment defined in Appendix B.

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
<b>Condition when required or recommended and/or other notes</b>	
Titebond II ® (VOC 5.50 g/L)	
Optional for gluing Orient during installation.	

**NOTES**