

Name Tiikeri ®



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

Website www.TorZoSurfaces.com/products/Tiikeri

Manufacturer Torzo Surfaces Contact Name Jeff Southwell
Address 2475 Progress Way Title President
Woodburn, OR 97071 Phone 503.982.7455
Email jsouthwell@torzosurfaces.com

Description Bold and exotic, the tiger-like stripes of the Tiikeri® Surface come from strands of sorghum straw. This sustainable surface material's striking pattern will liven any environment, whether it's used vertically in panels or horizontally in flooring. Like all TorZo products, Tiikeri contains no added urea formaldehyde and can contribute to LEED® certification when used in 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
Pharos Life Cycle Research projects that no residuals exist in this product that trigger a GreenScreen Benchmark 1 or Possible Benchmark 1.

Contents in Descending Order of Quantity

Undisclosed (Acrylic Resin) , Sorghum , Poplar , POLYMERIC MDI (PMDI) , CALCIUM CARBONATE , METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)

Hazards Highest concern GreenScreen score - List Translator Unspecified
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 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.

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						
Undisclosed (Acrylic Resin)	Undisclosed	54.8 - 55.4 %		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 (http://chem.sis.nlm.nih.gov). 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.						
Sorghum		40.1 - 41.8 %		PI	N	Sorghum Board Substrate
None found	No warnings found on HPD Priority lists					
Sorghum Board Supplier confirms that sorghum straw consists of 90% pre-consumer recycled content from harvest of the sorghum food crop.						
Poplar		2.1 - 2.6 %		N	N	Sorghum Board Substrate
None found	No warnings found on HPD Priority lists					
POLYMERIC MDI (PMDI)	9016-87-9	0.9 - 2.7 %	LT-UNK	N	N	Sorghum Board Adhesive/Binder
RESPIRATORY	AOEC - Asthmagens: Asthmagen (G) - generally accepted (also in US EPA - PPT Chemical Action Plans, MAK)					
MULTIPLE	US EPA - PPT Chemical Action Plans: EPA Chemical of Concern - Action Plan published					
CANCER	MAK: Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels					

The US EPA Action Plan for Methylene Diphenyl Diisocyanate (MDI) and Related Compounds [RIN 2070-ZA15] "focuses on concerns for unreacted uncured products." A study by Krone & Klinger (2005), as cited in the EPA Action Plan states: "Completely cured products are fully reacted and therefore are considered to be inert and non-toxic." Thus, these hazards are not expected to apply to the fully cured finished product. Percent range

given based on information provided in Sorghum Board Supplier's published HPD (version 1.0; published 03.09.2016).

CALCIUM CARBONATE	471-34-1	0.9 - 2.7 %	LT-UNK	N	N	Sorghum Board Adhesive/Binder
None found	No warnings found on HPD Priority lists					
Identified on the US EPA Safer Chemical Ingredient List. Percent range given based on information provided in Sorghum Board Supplier's published HPD (version 1.0; published 03.09.2016).						
METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)	101-68-8	0.4 - 1.2 %	LT-UNK	N	N	Sorghum Board Adhesive/Binder
MAMMALIAN	EU - R-phrases: R20 - Harmful by Inhalation (gas or vapor or dust/mist)					
EYE IRRITATION	EU - R-phrases: R36 - Irritating to eyes (also in EU - GHS (H-Statements))					
SKIN IRRITATION	EU - R-phrases: R38 - Irritating to skin (also in EU - GHS (H-Statements))					
CANCER	EU - R-phrases: R40 - Limited Evidence of Carcinogenic Effects (also in EU - GHS (H-Statements), MAK)					
RESPIRATORY	EU - R-phrases: R42 - May cause sensitization by inhalation (also in AOEC - Asthmagens, EU - GHS (H-Statements), US EPA - PPT Chemical Action Plans, MAK)					
SKIN SENSITIZE	EU - R-phrases: R43 - May cause sensitization by skin contact					
ORGAN TOXICANT	EU - R-phrases: R48: Danger of serious damage to health by prolonged exposure.					
MULTIPLE	US EPA - PPT Chemical Action Plans: EPA Chemical of Concern - Action Plan published					
The US EPA Action Plan for Methylene Diphenyl Diisocyanate (MDI) and Related Compounds [RIN 2070-ZA15] "focuses on concerns for unreacted uncured products." A study by Krone & Klinger (2005), as cited in the EPA Action Plan states: "Completely cured products are fully reacted and therefore are considered to be inert and non-toxic." Thus, these hazards are not expected to apply to the fully cured finished product. Percent range given based on information provided in Sorghum Board Supplier's published HPD (version 1.0; published 03.09.2016).						

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	2013-10-10		https://google.healthymaterials.net/uploads/files/certifications/1543/1459368749.pdf
	Woodburn, OR 97071			
Certificate No.: 18571-1309018. 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 environment and flooring area in the office environment, as defined in Tables 4.2 - 4.5.				
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	
Titebond II ® (VOC 5.50 g/L)	
Optional for gluing Tiikeri during installation.	

NOTES