

Name Halo Free Tile



Product ID FW610 Classification 09 65 16.43 Finishes: PVC-Free Sheet Flooring

Website www.cbcflooring.com/

Manufacturer CBC Flooring Contact Name John Kozak
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Description Halo is more than meets the eye and far superior to similar products currently available. With better quality print films improving the realistic look of each stone and plank and a wear layer that outlasts similar products. Results of taber abrasion tests show Halo Free has 30% less wear than similar products and after 2,000 revolutions 70% less wear than standard luxury vinyl tiles and planks.

Covered Product IDs: FW610, FW611, FW 612, FW616, FW781, FW167, FW163, FW253, FW145, FW257, FW146, FW294, FW645, FW115, FW106, FW303, FM 817, FM818, FM819, FC815, FC816, FC812, FPZ06, FPZ04, FPZ07, FPZ08

Release Date 2014-08-15 Expiry Date 2017-08-15
HPD URL https://tool.hpdcollaborative.org/uploads/files/hpds/749/1680-20140815174851.pdf
Certification: 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: Residual Content based on process chemistry has been disclosed using Pharos life cycle research.

Contents in Descending Order of Quantity

CALCIUM CARBONATE, Undisclosed (Resin), POLYETHYLENE TEREPHTHALATE (PET), DIPROPYLENE GLYCOL DIBENZOATE, Thermoplastic Polyurethane, Polyethylene Terephthalate Glycol (PETG), Tris(2,4-di-tert-butylphenyl) phosphite, ANOX 20, Fatty acids, montan-wax, 1-methyl-1,3-propanediyl esters, CALCIUM CARBONATE, Dipropylene glycol diacrylate, TALC, SILICA GEL, Tripropylene glycol diacrylate, Benzophenone, 1-Propanone, 2-hydroxy-2-methyl-1-phenyl-, 2-phenoxyethyl acrylate, CALCIUM CARBONATE, Titanium dioxide, ANOX 20, Tris(2,4-di-tert-butylphenyl) phosphite, Ethoxylated trimethylolpropane triacrylate, ZINC OXIDE, COPPER NAPHTHENATE, HYDROQUINONE, 1,4-dihydroxy-2-methylbenzene

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** FloorScore  
**Multi-attribute** FloorScore

**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>CALCIUM CARBONATE</b>	471-34-1	44.6 - 55.12 %	LT-U	N	N	Filler Layer Calcium Carbonate
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>Undisclosed (Resin)</b>	Undisclosed	16.24 - 21.2 %		N	N	Filler Layer Resin
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>POLYETHYLENE TEREPHTHALATE (PET)</b>	25038-59-9	10.89 - 15.05 %	LT-U	N	N	Wear Layer Resin
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>DIPROPYLENE GLYCOL DIBENZOATE</b>	27138-31-4	4.06 - 8.48 %	LT-P1	N	N	Filler Layer Benzoate Ester
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Estimated ranges based on MSDS sheet and production formulation.						
<b>Thermoplastic Polyurethane</b>	308084-34-6	3.25 - 6.78 %		N	N	Filler Layer Modifier
None found	No warnings found on HPD Priority lists					

Estimated ranges based on MSDS sheet and production formulation.							
<b>Polyethylene Terephthalate Glycol (PETG)</b>	25640-14-6	2.48 - 3.52 %		N	N	Printing Layer PETG Resin	
None found	No warnings found on HPD Priority lists						
Estimated ranges based on MSDS sheet and production formulation.							
<b>Tris(2,4-di-tert-butylphenyl) phosphite</b>	31570-04-4	1.62 - 4.24 %	LT-U	N	N	Filler Layer Complex Ester Wax Compound	
PBT	EU PBT: Under PBT evaluation						
Estimated ranges based on MSDS sheet and production formulation.							
<b>ANOX 20</b>	6683-19-8	1.62 - 4.24 %	LT-U	N	N	Filler Layer Complex Ester Wax Compound	
None found	No warnings found on HPD Priority lists						
Estimated ranges based on MSDS sheet and production formulation.							
<b>Fatty acids, montan-wax, 1-methyl-1,3-propanediyl esters</b>	73138-44-0	1.62 - 4.24 %		N	N	Filler Layer Complex Ester Wax Compound	
None found	No warnings found on HPD Priority lists						
Estimated ranges based on MSDS sheet and production formulation.							
<b>CALCIUM CARBONATE</b>	471-34-1	1.62 - 4.24 %	LT-U	N	N	Filler Layer Complex Ester Wax Compound	
None found	No warnings found on HPD Priority lists						
Estimated ranges based on MSDS sheet and production formulation.							
<b>Dipropylene glycol diacrylate</b>	57472-68-1	0.25 %	LT-P1	N	N	UV Layer Crosslinker	
MULTIPLE	VwVwS: Class 2 Hazard to Waters						
Estimated ranges based on MSDS sheet and production formulation.							
<b>TALC</b>	14807-96-6	0.11 - 1.67 %	LT-U	N	N	Wear Layer Silicate	
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification						
Estimated ranges based on MSDS sheet and production formulation.							
<b>SILICA GEL</b>	112926-00-8	0.11 %	LT-U	N	N	UV Layer Matting Agent	
None found	No warnings found on HPD Priority lists						
Estimated ranges based on MSDS sheet and production formulation.							
<b>Tripropylene glycol diacrylate</b>	42978-66-5	0.06 %	LT-P1	N	N	UV Layer Reactive Dilutant	
EYE IRRITATION	EU R-Phrases: R36: Irritating to eyes. (also in EU H-Statements)						
SKIN IRRITATION	EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)						
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)						
ACUTE AQUATIC	EU R-Phrases: R51: Toxic to aquatic organisms.						
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects						

MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>Benzophenone</b>	119-61-9	0.02 %	LT-1	N	N	UV Layer Photoinitiator
CANCER	Prop 65: Cancer (also in IARC)					
ENDOCRINE	SIN: Equivalent concern, including endocrine disruption - Sin List 1.0 (also in TEDX)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>1-Propanone, 2-hydroxy-2-methyl-1-phenyl-</b>	7473-98-5	0.01 %	LT-U	N	N	UV Layer Photoinitiator
None found	No warnings found on HPD Priority lists					
<b>2-phenoxyethyl acrylate</b>	48145-04-6	0.01 %	LT-P1	N	N	UV Layer Inhibitor
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
<b>CALCIUM CARBONATE</b>	471-34-1	0 - 0.56 %	LT-U	N	N	Printing Layer Filler
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>Titanium dioxide</b>	13463-67-7	0 - 0.37 %	LT-1	N	N	Printing Layer Pigments
CANCER	NIOSH-C: Occupational carcinogen (also in Prop 65, IARC, MAK)					
Estimated ranges based on MSDS sheet and production formulation.						
<b>ANOX 20</b>	6683-19-8	0 - 0.19 %	LT-U	N	N	Printing Layer Processing Additive
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>Tris(2,4-di-tert-butylphenyl) phosphite</b>	31570-04-4	0 - 0.19 %	LT-U	N	N	Printing Layer Processing Additive
PBT	EU PBT: Under PBT evaluation					
Estimated ranges based on MSDS sheet and production formulation.						
<b>Ethoxylated trimethylolpropane triacrylate</b>	28961-43-5	0 - 0.05 %	LT-U	N	N	UV Layer Additive - Curing Materials
None found	No warnings found on HPD Priority lists					
Estimated ranges based on MSDS sheet and production formulation.						
<b>ZINC OXIDE</b>	1314-13-2	R	LT-P1			Catalyst, POLYETHYLENE TEREPHTHALATE (PET)
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					

MULTIPLE	VwVwS: Class 2 Hazard to Waters				
<b>COPPER NAPHTHENATE</b>	1338-02-9	R	LT-P1		Catalyst, Benzophenone
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.				
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)				
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects				
<b>HYDROQUINONE</b>	123-31-9	R	LT-1		Monomer, Ethoxylated trimethylolpropane triacrylate
CANCER	MAK: Carcinogen Group 2 - Considered to be carcinogenic for man (also in EU R-Phrases, EU H-Statements)				
ENDOCRINE	TEDX: Potential Endocrine Disruptor				
GENE MUTATION	EU R-Phrases: R68: Possible risk of irreversible effects (also in EU H-Statements)				
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.				
EYE IRRITATION	EU H-Statements: H318 Causes serious eye damage (also in EU R-Phrases)				
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction				
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)				
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 10 (also in EU R-Phrases)				
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters				
<b>1,4-dihydroxy-2-methylbenzene</b>	95-71-6	R	LT-P1		Monomer, Ethoxylated trimethylolpropane triacrylate
MULTIPLE	VwVwS: Class 2 Hazard to Waters				

## 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	FloorScore			SCS Global Services for Resilient Floor Covering Institute (RFCI)
	3rd party independent certification	2014-09-01	2015-08-31	<a href="http://www.scs-certified.com/products/cert_pdfs/Halo_2013_SCS-FS-03159_s.pdf?r=1">www.scs-certified.com/products/cert_pdfs/Halo_2013_SCS-FS-03159_s.pdf?r=1</a>
	No. 1-20 Ken-tze-Bay Road Guanyin Township, Taoyuan County, 32842, Taiwan			

VOC Content	N/A			
Recycled Content	Not tested			
Multi-attribute	FloorScore			SCS Global Services for Resilient Floor Covering Institute (RFCI)
	3rd party independent certification	2014-09-01	2015-08-31	<a href="http://www.scscertified.com/products/cert_pdfs/Halo_2013_SCS-FS-03159_s.pdf?r=1">www.scscertified.com/products/cert_pdfs/Halo_2013_SCS-FS-03159_s.pdf?r=1</a>
	No. 1-20 Ken-tze-Bay Road Guanyin Township, Taoyuan County, 32842, Taiwan			

**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>	
CBC 5000 Acrylic (VOC 0.00 g/L)	N/A
Acclimate flooring, adhesive and substrate in the area to be installed to a stable condition between 65°F-85°F (18°C-29°C) (minimum of 68°F or 20°C for EcoSpray) and 20%-65% RH for a minimum of 48 hours before, during and after installation. Afterwards, maintain a minimum temperature of 50°F (10°C) for the life of the floor. The link to the Technical Data Sheet can be found at: <a href="http://www.cbcflooring.com/pdfs/adhesive/cbc5000_tds.pdf">http://www.cbcflooring.com/pdfs/adhesive/cbc5000_tds.pdf</a>	

**NOTES**

Halo Free is a currently SCS FloorScore certified product on SCS-FS-03159. All residuals reported from the UV Acrylic Layer are not present in the finished product as the lacquer is UV cured and then annealed in 80 degrees Celsius water.