

Health Product Declaration V1.1

Inspired Floorcoverings - Flinders Range Luxury Vinyl Planks,
The Australian Stone Collection



1. Introduction

This declaration has been produced under the auspices of the Carpet Institute of Australia Limited.

This health product declaration has been developed in alignment with the Open HPD Standard (produced by the HPD-Collaborative).

The method used includes the following basic elements:

1. Identification of raw materials to a level of 0.1% (1000 ppm) in the finished carpet with examination of hazardous materials at a lower concentration.
2. Examination of manufacturing processes with the manufacturer.
3. Nesting of the substances constituting each functional unit in order of quantity.
4. Evaluation of the health and environmental impacts of each substance with review using sources that include: safety data sheets, REACH, Prop 65 and AICI lists.
5. The evaluation includes an assessment of lifecycle impacts for these substances given as a comment.

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2. Volatile organic compound (VOC) emissions

This product meets the CIAL ECS certification scheme requirements that includes a tested low VOC emission rate.

This product is tested for the emission of 17 individual VOCs known too be emitted by carpet products and total VOCs.

These VOCs must meet stringent emission rate standards given in the ECS Technical Specifications based on no observable adverse effects.

Consequentially volatile components of this product are treated as having a low risk of health impact.

3. Self declared

Information declared in this HPD is considered to be the property of the manufacturer as the source of the product structure, manufacturing methods and composition.

Declared by:

Inspired Floorcoverings
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4. Ingredients

Inspired Floorcoverings - Flinders Range Luxury Vinyl Planks, The Australian Stone Collection		
PVC tile and Plank		
	CAS- number	% in product
Coating		
1,6-Hexanediyl bisacrylate	13048-33-4	<0.24%
Oxydi-1,2-propanediyl bisacrylate	57472-68-1	<0.24%
2-Hydroxyethyl methacrylate	868-77-9	<0.24%
Tri(propylene glycol) diacrylate	42978-66-5	<0.24%
Fumed silica	112945-52-5	<0.24%
1-Hydroxycyclohexyl phenyl ketone	947-19-3	<0.24%
2-Hydroxy-4'-(2-hydroxyethoxy)-2-methylpropiophenone	106797-53-9	<0.24%
pentaerythritol tetraacrylate	4986-89-4	<0.24%
Wear Layer		
Polyvinyl Chloride resin	9002-86-2	<12.3%
Diethyl Terephthalate (DOTP)	6422-86-2	<5.3%
Epoxidized Soybean Oil	8013-07-08	<0.71%
Print film		
Polyvinyl Chloride resin	9002-86-2	<2.2%
PVC layer		
Polyvinyl Chloride resin	9002-86-2	<25%
Diethyl Terephthalate (DOTP)	6422-86-2	<8.5%
Calcium Carbonate	471-34-1	<54%
Pentaerythritol tetrakis(3,5-di-tert-butyl-4- hydroxyhydrocinnamate)	6683-19-8	<0.003%
Zeolites	1318-02-1	<0.12%
Zinc Stearate	557-05-1	<0.15%
Polyethylene Wax	9002-88-4	<0.13%
Calcium Stearate	1592-23-0	<0.07%
Hydrotalcite	12304-65-3	<0.07%
Octadecyl 3-(3,5-di-tert-butyl-4- hydroxyphenyl)propionate	2082-79-3	<0.002%
Carbon black	1333-86-4	<0.65%
Pigments and dyes	various	<0.5%

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5. Content Evaluation - Coating

Description	flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	"REACH compliance"	AICIS	Prop 65	"NANO MATERIALS"	Comment on risk
Coating	1,6-Hexanediyl bisacrylate	13048-33-4	<0.24%	Mod.	H315 skin irritation. H317 allergic skin reaction. H319 serious eye irritation	Compliant	yes	no	no	It is understood that these acrylate chemicals are UV cured and polymerise to hard surface coatings that do not exhibit the hazards associated with the constituent chemicals.
	Oxydi-1,2-propanediyl bisacrylate	57472-68-1	<0.24%	mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation	Compliant	yes	no	no	UV cured acrylate without hazards associated with the monomers.
	2-Hydroxyethyl methacrylate	868-77-9	<0.24%		H315 skin irritation H317 allergic skin reaction H319: serious eye irritation	Compliant	yes	no	no	UV cured acrylate without hazards associated with the monomers.
	Tri(propylene glycol) diacrylate	42978-66-5	<0.24%	mod.	H315 skin irritation H317 allergic skin reaction H319 serious eye irritation H335 respiratory irritation H411 Toxic to aquatic life with long lasting effects	Compliant	yes	no	no	UV cured acrylate without hazards associated with the monomers.
	Fumed silica	112945-52-5	<0.24%	Dust impact high	H315 (skin irritant) H319 (eye irritant) H350 (Carc. 1B)	Compliant	yes	yes	no	Silica has irritant and potential carcinogenic risks in fine particulate form when inhaled. This exposure is not possible during the use of fused silica. The risk may manifest when the product is uplifted at the end of life and it is treated by cutting or shredding for recycling.
	1-Hydroxycyclohexyl phenyl ketone	947-19-3	<0.24%	Mod.	H-315 (skin irritant) H-319 (eye irritant)	Compliant	yes	no	no	Initiator for UV curing will be consumed in the curing process
	2-Hydroxy-4'-(2-hydroxyethoxy)-2-methylpropiofenone	106797-53-9	<0.24%	Mod.	H411 Toxic to aquatic life with long lasting effects	Compliant	yes	no	no	Initiator for UV curing will be consumed in the curing process
	pentaerythritol tetraacrylate	4986-89-4	<0.24%		H302 harmful if swallowed H315 skin irritation H317 allergic skin reaction H319 serious eye irritation	Compliant	yes	no	no	UV cured acrylate without hazards associated with the monomers.

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6. Content Evaluation - Wear layer

Description	Broadloom carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
Wear layer	Polyvinyl Chloride resin	9002-86-2	<12.3%	Low	H-372(Cat 1) chronic organ damage	Compliant	yes	no	no	In its polymeric form PVC does not pose a significant risk to humans at ambient temperature.
	Dioctyl Terephthalate (DOTP)	6422-86-2	<5.3%	Low	none	Compliant	yes	no	no	DOTP has a low aquatic toxicity to fish and some potential for eye and skin irritation of low risk to health in the product.
	Epoxidized Soybean Oil	8013-07-08	<0.71%	Low	none	Compliant	yes	no	no	No hazards expected

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7. Content Evaluation - PVC layer

Description	Broadloom carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
PVC layer	Polyvinyl Chloride resin	9002-86-2	<25%	Low	H-372(Cat 1) chronic organ damage	Compliant	yes	no	no	In its polymeric form PVC does not pose a significant risk to humans at ambient temperature.
	Diocetyl Terephthalate (DOTP)	6422-86-2	<8.5%	Low	none	Compliant	yes	no	no	DOTP has a low aquatic toxicity to fish and some potential for eye and skin irritation of low risk to health in the product.
	Calcium Carbonate	471-34-1	<54%	Dust impact high	H315 (skin irritant) H319 (eye irritant) H350 (Carc. 1B)	Compliant	yes	no	no	Impurities in product may give a toxic impact during manufacture, however, particulate health risk is minimal in the product in use. Shredding, cutting and blending the used flooring may give rise to dust and subsequent health risks in recycling.
Auxiliaries	Pentaerythritol tetrakis(3,5-di-tert-butyl-4-hydroxyhydrocinamate)	6683-19-8	<0.003%	Low	None	Compliant	yes	no	no	Low toxicity material at a trace concentration < 0.1%.
	Zeolites	1318-02-1	<0.12%	Low	None	Compliant	yes	no	no	This may have an associated dust hazard that should not be present in the product at low concentrations.
	Zinc Stearate	557-05-1	<0.15%	Mod.	H319 serious eye damage H410 environmental damage	Compliant	yes	no	no	Aquatic toxicity of zinc is a waste consideration but at a low concentration.
	Polyethylene Wax	9002-88-4	<0.13%	Low		Compliant	yes	no	no	Low hazard associated with this material.
	Calcium Stearate	1592-23-0	<0.07%	Low	none	Compliant	yes	no	no	No hazards are associated with this material.
	Hydrotalcite	12304-65-3	<0.07%	Low	none	Compliant	yes	no	no	This may have an associated dust hazard that should not be present in the product at low concentrations.
	Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	2082-79-3	<0.002%	Low	none	Compliant	yes	no	no	
	Carbon black	1333-86-4	<0.65%	Cancer - high	H-351 (Carc.2B)	Compliant	yes	no	no	Carbon black carries traces of toxic impurities that may include polycyclic aromatic hydrocarbons and may therefore result in health impacts, but only in a form that is not bound in the polymer matrix. The major risks are during raw material mixing and cutting and shredding of the flooring if recycled.
	Pigments and dyes	various	<0.5%			Compliant	yes	no	no	Pigments and dyes are contained within the polymer matrix.

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8. Notes in Explanation

Risk ratings	REACH compliance	AICI listing	Prop 65 - California
No concern	No listing in Annex XIV	Listed - registered in Australia	List of hazardous chemicals
Low risk	No listing in Annex XVII	Exempted - negligible risk	no - not listed
Moderate concern	No listing as SVHC	Reported - low risk	poss - not determined
High concern	No listing Stockholm Convention	Assessed - medium to high risk	yes - high risk chemical
Unknown	Annex A		
Possible	No listing Rotterdam Convention		
	Annex III		

Nano - material is composed of nano sized particles with associated risk.

Recycled material may be considered as a potential source of contamination and subsequent risk not determined.

Manufacturers Details:

Inspired Floorcoverings

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ECS - Environmental Certification Scheme is an environmental certification body operated by the Carpet Institute of Australia Limited.

Date of issue | September 2024

Expiration date | September 2027

Certifying party | ECS