

# Health Product Declaration V.1.1

Tarkett - Comfort 19

HPD CIAL 036 Classification: Acoustic LVT  
Product Description: Comfort 19



## 1. Introduction

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

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 flooring 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 individual VOCs known too be emitted by flooring 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 are considered to be the property of the manufacturer as the source of the product structure, manufacturing methods and composition.

Declared by:

**Tarkett Australia Pty Ltd**

Suite 1, Level 3, 3 Columbia Court  
2153 Baulkham Hills  
NSW, Australia

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## 4. Ingredients

Tarkett - Comfort 19 Acoustic LVT		
	CAS- number	% in product
<b>Top Coating</b>		
Methyl benzoyl formate	15206-55-0	< 0.01%
Oxydi-1,2-propanediyl bisacrylate	57472-68-1	<0.06%
Polyethylene glycol diacrylate	26570-48-9	<0.02%
Hexamethylene diacrylate	13048-33-4	<0.08%
U/T Acrylate	141686-56-8	<0.05%
Tripropylene glycol diacrylate	42978-66-5	<0.01%
<b>Wear Layer</b>		
Polyvinyl Chloride resin	9002-86-2	<8%
Diethyl Terephthalate (DOTP)	6422-86-2	<2.5%
<b>Print Film</b>		
Polyvinyl Chloride resin	9002-86-2	<0.09%
Diethyl Terephthalate (DOTP)	6422-86-2	<0.12%
Pigments and dyes	various	<0.5%
<b>Core &amp; Balance Layer</b>		
Polyvinyl Chloride resin	9002-86-2	<32%
Diethyl Terephthalate (DOTP)	6422-86-2	<14%
Calcium Carbonate (filler)	1317-65-3	<50%
Glass fibre (silicon dioxide)	65997-17-3	<1.4%
Magnesium aluminium hydroxy carbonate	11097-59-9	<0.27%
Zinc Stearate	557-05-1	<0.26%
Calcium Stearate	1592-23-0	<0.26%
12 Hydroxystearate (lubricant)	106-14-9	<0.21%
Pentaerythryl Tetra-di-t-butyl Hydroxyhydrocinnamate	6683-19-8	<0.14%
Stearic Acid	57-111-4	<0.3%
<b>IXPE Layer</b>		
Polyethylene	9002-88-4	<1%

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## 5. Content Evaluation - Top Coating

Description	Flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	Nano materials	Comment on risk
Top Coating										
	Methyl benzoyl formate	15206-55-0	< 0.01%	Mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation H335 respiratory irritation	Compliant	yes	no	no	Health impacts of this volatile organic compound are restricted to the manufacturing process and require suitable occupational health and safety management. The health risk at the product life stage is low.
	Oxydi-1,2-propanediyl bisacrylate	57472-68-1	<0.06%	Mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation	Compliant	yes	no	no	Diacylate that has toxic properties in the uncured liquid form, but is non-toxic in the cured product. These risks are limited to the manufacturing process.
	Polyethylene glycol diacrylate	26570-48-9	<0.02%	Mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation	Compliant	yes	no	no	Diacylate that has toxic properties in the uncured liquid form, but is non-toxic in the cured product. These risks are limited to the manufacturing process.
	Hexamethylene diacrylate	13048-33-4	<0.08%	Mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation	Compliant	yes	no	no	Diacylate that has toxic properties in the uncured liquid form, but is non-toxic in the cured product. These risks are limited to the manufacturing process.
	U/T Acrylate	141686-56-8	<0.05%	Mod.	H315 skin irritation. H317 allergic skin reaction. H318 serious eye irritation	Compliant	yes	no	no	Diacylate that has toxic properties in the uncured liquid form, but is non-toxic in the cured product. These risks are limited to the manufacturing process.
	Tripropylene glycol diacrylate	42978-66-5	<0.01%	Mod.	H315 skin irritation H317 allergic skin reaction H318 serious eye irritation H335 respiratory irritation H411 Toxic to aquatic life (long lasting)	Compliant	yes	no	no	The vapour may cause respiratory irritation and have a toxic impact on aquatic life. These risks are limited to the manufacturing process and do not occur in the finished product

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## 6. Content Evaluation - Wear Layer

Description	Flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	Nano materials	Comment on risk
Wear Layer										
	Polyvinyl Chloride resin	9002-86-2	<8%	Low	none	Compliant	yes	no	no	In its polymeric form PVC does not pose a significant risk to humans at ambient temperature. The polymer will contain traces of vinylchloride monomer that is classified as a carcinogen it's concentration is limited by the ECS volatile emissions requirements and it should not present a significant health risk in the product.
	Diocetyl Terephthalate (DOTP)	6422-86-2	<2.5%	Low	none	Compliant	yes	no	no	DOTP has a low aquatic toxicity to fish and some potential for eye and skin irritation in the liquid form. It is a low risk to health in the product.

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## 7. Content Evaluation - Print Film

Description	Flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	Nano materials	Comment on risk
Print Film										
	Polyvinyl Chloride resin	9002-86-2	<0.09%	Low	none	Compliant	yes	no	no	In its polymeric form PVC does not pose a significant risk to humans at ambient temperature. The polymer will contain traces of vinylchloride monomer that is classified as a carcinogen it's concentration is limited by the ECS volatile emissions requirements and it should not present a significant health risk in the product.
	Dioctyl Terephthalate (DOTP)	6422-86-2	<0.12%	Low	none	Compliant	yes	no	no	DOTP has a low aquatic toxicity to fish and some potential for eye and skin irritation in the liquid form. It is a low risk to health in the product.
	Pigments and dyes	various	<0.5%	Not determined	various	Compliant	yes	no	no	Pigments and dyes are at less than 1% in the product and contained within the polymer matrix.

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## 8. Content Evaluation - Core & Balance Layer

Description	Flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	Nano materials	Comment on risk
Core & Balance Layer										
	Polyvinyl Chloride resin	9002-86-2	<32%	Low	none	Compliant	yes	no	no	In its polymeric form PVC does not pose a significant risk to humans at ambient temperature. The polymer will contain traces of vinylchloride monomer that is classified as a carcinogen it's concentration is limited by the ECS volatile emissions requirements and it should not present a significant health risk in the product.
	Diocetyl Terephthalate (DOTP)	6422-86-2	<14%	Low	none	Compliant	yes	no	no	DOTP has a low aquatic toxicity to fish and some potential for eye and skin irritation in the liquid form. It is a low risk to health in the product.
	Calcium Carbonate (filler)	1317-65-3	<50%	Dust impact high	H315 (skin irritant) H319 (eye irritant) H350 (Carc. 1B)	Compliant	yes	no	no	Impurities in product may have 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. Health risks from the product are low.
	Glass fibre (silicon dioxide)	65997-17-3	<1.4%	Dust impact high	H315 (skin irritant) H319 (eye irritant) H350 (Carc. 1B)	Compliant	yes	no	no	The high potential health impact is from exposure to silica dusts and not condensed silica fibre. Dust health impacts are not expected for this product.
	Magnesium aluminium hydroxy carbonate	11097-59-9	<0.27%	Low	none	Compliant	yes	no	no	
	Zinc Stearate	557-05-1	<0.26%	Mod.	H319 serious eye damage H410 environmental damage	Compliant	yes	no	no	Aquatic toxicity of zinc is a waste consideration but this is at a low concentration in the product.
	Calcium Stearate	1592-23-0	<0.26%	Low	none	Compliant	yes	no	no	No hazards are identified with this material.
	12-Hydroxystearate (lubricant)	106-14-9	<0.21%	Low	None	Compliant	yes	no	no	No hazards are identified with this material.
	Pentaerythrityl Tetra-di-t-butyl	6683-19-8	<0.14%	Low	None	Compliant	yes	no	no	Low toxicity material at a trace concentration < 0.1%.
	Stearic Acid	57-111-4	<0.3%	Low	None	Compliant	yes	no	no	No hazards are identified with this material.

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## 9. Content Evaluation - IXPE Layer

Description	Flooring all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	Nano materials	Comment on risk
IXPE										
	Polyethylene	9002-88-4	<1%	Low	none	Compliant	yes	no	no	Polymer component with no health impacts expected in the product.

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## 10. 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: **Tarkett Australia Pty Ltd**

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