

Health Product Declaration V.1.1

Inspired Floorcoverings - IFC MIST Range, Ray, Blur, Dynamic, Habitat Rhomb, Linear, Multi-Dynamic, Quartz

HPD CIAL 031 Classification: SDN nylon carpet tile with a glass reinforced Polyethylene backing

Product Description: IFC MIST Range, Ray, Blur, Dynamic, Habitat Rhomb, Linear, Multi-Dynamic, Quartz

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 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 is classified under the ACCS ECS certification scheme which requires 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 are considered to be the property of the manufacturer as the source of the product structure, manufacturing methods and composition.

Declared by:

Inspired Floorcoverings

Claudia Hainey

Director

M: 0404 843 015

E: claudia@inspiredfc.com.au

PO Box 575 Terrigal NSW

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4. Ingredients

Inspired Floorcoverings - IFC MIST Range, Ray, Blur, Dynamic, Habitat Rhomb, Linear, Multi-Dynamic, Quartz SDN nylon carpet tile with a glass reinforced Polyethylene backing		
	CAS- number	% in product
Face fibre		
Nylon-6 fibre solution dyed	32131-17-2	<18.6%
Caprolactam	105-60-2	<0.1%
Dyes, pigments and additives (not specified)		<0.2%
Primary backing		
Polyester	25038-59-9	<2.3%
Polyamide (PA)	25038-54-4	<0.9%
Mineral oils (lubricants)		<0.05%
Glass fibre		
Silicon Dioxide	14808-60-7	<1.1%
Binder		
Copolymer of Vinyl Acetate and Ethylene	9003-55-8	<15%
Poly vinyl alcohol	25213-24-5	<0.3%
Polymer additives	various	N/D
Sulfuric acid, mono, C12-C18 alkyl esters sodium salts	73296-89-6	<0.3%
Aluminium hydroxide	21645-51-2	<7%
Secondary backing		
Calcium Carbonate	1317-65-3	<30%
Polyethylene	9002-88-4	<20%
1-Propene, polymer with ethene	9010-79-1	<15%
Calcium Oxide	1305-78-8	<0.07%

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5. Content Evaluation - Face Fibre

Description	Tile carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
Face fibre	Face fibre	CAS								
	Nylon-6 fibre solution dyed	32131-17-2	<18.6%	Low		Compliant	yes	no	no	Nylon-6 is an inert polymer with low potential for exposure of reactive components to people under ambient conditions.
	Caprolactam	105-60-2	<0.1%	Irritant - moderate	H-315 (skin irritant) H-319 (eye irritant)	Compliant	yes	no	no	Volatile monomer of nylon that is low risk due to VOC testing and caprolactam emission limit satisfied.
	Dyes, pigments and additives (not specified)		<0.2%							Colouring agents and polymer additives are used in the polymer which will have a low health impact due to their inclusion within the polymer matrix.

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6. Content Evaluation - Primary Backing

Description	Tile carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
Primary backing	Polyester (PET)	25038-59-9	<2.3%	Low	none	Compliant	yes	no	no	An inert polymer with low risk of health or environmental impacts under ambient conditions.
	Polyamide (PA)	25038-54-4	<0.9%	Low		Compliant	yes	no	no	Polyamides are inert polymers with low potential for exposure of reactive components to people under ambient conditions.
	Mineral oils (lubricants)		<0.05%	Low		Compliant	yes	no	no	No specific hazards were identified

7. Content Evaluation - Glass Fibre

Description	Tile carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
Reinforcing glass fibre	Silicon Dioxide	14808-60-7	<1.1%	Dust impact mod.	H315 (skin irritant) H319 (eye irritant) H350 (Carc. 1B)	Compliant	yes	yes		Silicon dioxide as a glass fibre is a potential skin and eye irritant, however the glass is embedded in the backing and does not impact the user. The carcinogenic impact requires exposure to the silica dust which is not evident in the product.

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8. Content Evaluation - Binder

Description	Tile carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
Binder	Copolymer of Vinyl Acetate and Ethylene	9003-55-8	<15%	Low	none	Compliant	yes	no	no	Latex polymer is low health risk. The major risk is from unreacted monomers that should be very low and is checked in the VOC test of the product.
	Poly vinyl alcohol	25213-24-5	<0.3%	Low	none	Compliant	yes	no	no	Miscible with water of low toxicity.
	Polymer additives	various	N/D							Low health risk due to the low concentration and incorporation in the solid polymer matrix.
	Sulfuric acid, mono, C12-C18 alkyl esters sodium salts	73296-89-6	<0.3%	High	H-318 (Cat 1 Eye damage) H-315 (Cat 2 Skin irritant) H-412 (Cat 3 Aquatic tox chronic)	Compliant	yes	no	no	Dust exposure may result in eye irritation which is a hazard restricted to manufacturing and cutting, or shredding during carpet recycling.
	Aluminium hydroxide	21645-51-2	<7%	Dust impact low		Compliant		yes	no	Aluminium hydroxide may have an irritating impact on eyes in the powder form. It is not a dust risk in the product.

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9. Content Evaluation - Secondary Backing

Description	Tile carpet all components	Identifier	Quantity	Risk rating pure chemical	Warnings	REACH compliance	AICIS	Prop 65	NANO material	Comment on risk
PE backing system	Calcium Carbonate	1317-65-3	<30%	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 carpet may give rise to dust and subsequent health risks in uplifted carpet recycling.
	Polyethylene	9002-88-4	<20%	Low		Compliant	yes	no	no	Low health risk polymer
	1-Propene, polymer with ethene	9010-79-1	<15%	Low		Compliant	yes	no	no	Low health risk polymer
	Calcium Oxide	1305-78-8	<0.07%	Moderate	H-315 (skin irritant) H-318 (eye irritant) H-335 (respiratory irritant)	Compliant	yes	no	no	Calcium oxide is present in traces and is corrosive. It will absorb water and form the hydroxide and is unlikely to present a serious risk to health in the product at low concentrations.

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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: **Inspired Floorcoverings**

Claudia Hainey
Director
M: 0404 843 015

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