

HPD UNIQUE IDENTIFIER: 25399

CLASSIFICATION: 09 72 16.13 Flexible Vinyl Wall Coverings

PRODUCT DESCRIPTION: Wallflex vinyl wall covering has become the Australian Standard for durable, hygienic wall covering. Clean and simple by design, Wallflex provides a seamless coating for healthcare interiors needing a low maintenance, long lasting wall covering which resists scratching, scuffing and denting.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

WALLFLEX [CALCIUM CARBONATE LT-UNK POLYVINYL CHLORIDE LT-P1 | RES DI(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg TITANIUM DIOXIDE LT-1 | CAN | END SOYBEAN OIL, EPOXIDIZED LT-P1 ADIMOLL DO LT-P1 | MUL PETROLEUM RESINS LT-1 | CAN 1,3-PROPANEDIONE, 1,3-DIPHENYL- NoGS DAKRIL 4B LT-UNK 1-ETHYLPYRROLIDIN-2-ONE LT-1 | REP | MUL | DEV CALCIUM STEARATE LT-UNK STEARIC ACID LT-P1 | END]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: GreenTag 4.0 Gold
Multi-attribute: GreenTag 3.1 - Gold - GreenRate Level A
LCA: Environmental Product Declaration

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-07-07

PUBLISHED DATE: 2021-07-12

EXPIRY DATE: 2024-07-07

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

WALLFLEX

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/impurities are quantitatively measured and are displayed in the HPD when greater than 1000 ppm.

OTHER PRODUCT NOTES: For more information on this product visit: <https://www.armstrongflooring.com/commercial/en-au/products/wall-covering/wallflex.html>

CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:15

#: 60.0000 - 65.0000 GS: LT-UNK RC: None NANO: Unknown SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Limestone filler

POLYVINYL CHLORIDE

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:16

#: 20.0000 - 25.0000 GS: LT-P1 RC: None NANO: Unknown SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Binder component

DI(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:16

#: 5.0000 - 10.0000 GS: BM-3dg RC: None NANO: Unknown SUBSTANCE ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Binder component

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:17

#: 1.0000 - 5.0000

GS: LT-1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Titanium dioxide is listed as a hazard in respirable form. Titanium dioxide is not in respirable form in the final product. Therefore, it is not expected to cause harm to the end users.

SOYBEAN OIL, EPOXIDIZED

ID: 8013-07-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:17

#: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: Unknown

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Biobased binder component

ADIMOLL DO

ID: 123-79-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:17

#: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Binder content

PETROLEUM RESINS

ID: 64742-16-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-07 5:04:18

#: 1.0000 - 5.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	CA EPA - Prop 65	Carcinogen

SUBSTANCE NOTES: Binder component

1,3-PROPANEDIONE, 1,3-DIPHENYL-

ID: 120-46-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-07-07 5:04:18			
%: 0.5000 - 1.0000	GS: NoGS	RC: None	NANO: Unknown	SUBSTANCE ROLE: Stabilizer
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Binder stabilizer

DAKRIL 4B

ID: 25852-37-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-07-07 5:04:19			
%: 0.5000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: Processing aid

1-ETHYLPYRROLIDIN-2-ONE

ID: 2687-91-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2021-07-07 5:04:19			
%: 0.1000 - 0.5000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B		
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant		
DEV	EU - GHS (H-Statements)	H360D - May damage the unborn child		
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans		
DEV	GHS - Australia	H360D - May damage the unborn child		
REP	GHS - Japan	Toxic to reproduction - Category 1B [H360]		

SUBSTANCE NOTES: Coating component

CALCIUM STEARATE

ID: 1592-23-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-07 5:04:20**%: **0.1000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

STEARIC ACID

ID: 57-11-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-07 5:04:20**%: **0.0100 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	GreenTag 4.0 Gold		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Braeside CERTIFICATE URL: https://www.globalgreentag.com/products/wallflex-1-25mm/	ISSUE DATE: 2020-12-03	EXPIRY DATE: 2021-11-20	CERTIFIER OR LAB: Green Tag
CERTIFICATION AND COMPLIANCE NOTES:			
MULTI-ATTRIBUTE	GreenTag 3.1 - Gold - GreenRate Level A		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Braeside, AU CERTIFICATE URL: https://www.globalgreentag.com/products/wallflex-1-25mm/	ISSUE DATE: 2020-12-04	EXPIRY DATE: 2021-11-21	CERTIFIER OR LAB: Green Tag
CERTIFICATION AND COMPLIANCE NOTES:			
LCA	Environmental Product Declaration		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Braeside CERTIFICATE URL: https://www.globalgreentag.com/products/wallflex-1-25mm/	ISSUE DATE: 2019-07-26	EXPIRY DATE: 2022-07-26	CERTIFIER OR LAB: Green Tag
CERTIFICATION AND COMPLIANCE NOTES:			

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ADHESIVES AND WELD RODS	HPD URL: https://www.armstrongflooring.com/commercial/en-au/
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Adhesives recommended for installation should include the following: • Floors / Walls: Full-Spread Adhesives SV200, Wet area floors PU100 polyurethane. • Floor cove work, wall installations, top of sheet internal and external corners: Contact adhesive SC100. • Seams / joins: Heat weld seams, Seam bond system using PU 100 Adhesive. HPDs are not available for these products.	

Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, Armstrong Flooring expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings, or criteria utilized or referenced therein. Information herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongflooring.com, as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong Flooring website for more information on this product.

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong Flooring, Inc.
ADDRESS: 29-39 Mills Road
 Braeside Victoria 3195, Australia
WEBSITE: www.armstrongflooring.com

CONTACT NAME: Peter Byron
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The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.