

CLASSIFICATION: 09 65 16.23

PRODUCT DESCRIPTION: 2.2mm thick adhesive free smooth PVC based flooring

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided  
for Residuals/Impurities?  
 Yes  No

Are All Substances Above the Threshold Indicated:

Characterized  Yes  No  
Percent Weight and Role Provided?

Screened  Yes  No  
Using Priority Hazard Lists with Results Disclosed?

Identified  Yes  No  
Name and Identifier Provided?

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**

ALTRO CANTATA [ POLYVINYL CHLORIDE (PVC) **LT-P1** | RES ALUMINUM OXIDE **BM-2** | RES GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) **LT-UNK** BIS(2-ETHYLHEXYL) TEREPHTHALATE **BM-3** QUARTZ **LT-1** | CAN CALCIUM CARBONATE **BM-3** DI(2-ETHYLHEXYL)ADIPATE (DEHA) **LT-P1** | CAN | END 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER **LT-P1** | MUL TITANIUM DIOXIDE **LT-1** | CAN | END FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED **NoGS** ZINC OXIDE **BM-1** | RES | AQU | MUL TRIISOTRIDECYL PHOSPHITE **LT-P1** | MUL ZINC NEODECANOATE **LT-P1** | MUL DIPROPYLENE GLYCOL DIACRYLATE **LT-UNK** EPICHLOROHYDRIN-BISPHENOL A RESIN **LT-P1** | AQU | SKI | EYE | MUL 2-PROPENOIC ACID, (5-ETHYL-1,3-DIOXAN-5-YL)METHYL ESTER **LT-P1** | MUL 2-ETHYLHEXYL METHYL TEREPHTHALATE **NoGS** ]

Number of Greenscreen BM-4/BM3 contents ... 2

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

**INVENTORY AND SCREENING NOTES:**  
None

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: Floorscore

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-12-04

PUBLISHED DATE: 2018-12-05

EXPIRY DATE: 2021-12-04



## 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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ALTRO CANTATA

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residual and Impurity information not available so this has not been considered.

OTHER PRODUCT NOTES: none

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 50.0000 - 60.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Main Polymer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Emulsion grade PVC

#### ALUMINUM OXIDE

ID: 1344-28-1

%: 7.0000 - 9.0000	GS: BM-2	RC: None	NANO: No	ROLE: Aggregate
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Aggregate used for durability

#### GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)

ID: 65997-17-3

%: 5.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Recycled Aggregate
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Post consumer waste from UK glass bottles

**BIS(2-ETHYLHEXYL) TEREPHTHALATE**

ID: 6422-86-2

%: <b>5.0000 - 10.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Plasticiser</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Main plasticiser

**QUARTZ**

ID: 14808-60-7

%: <b>4.0000 - 8.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Aggregate</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Aesthetics, durability and slip resistance

**CALCIUM CARBONATE**

ID: 471-34-1

%: <b>3.0000 - 5.0000</b>	GS: <b>BM-3</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Mineral Filler</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Mineral filler sourced in UK

**DI(2-ETHYLHEXYL)ADIPATE (DEHA)**

ID: 103-23-1

%: <b>3.0000 - 5.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Plasticiser</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US EPA - IRIS Carcinogens	(1986) Group C - Possible human Carcinogen
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SUBSTANCE NOTES: Cold Flex Plasticiser

**1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER**

ID: 77-90-7

%: **3.0000 - 6.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Plasticiser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: this is a bio plasticiser derived from European grown maize

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: **1.0000 - 2.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

US CDC - Occupational Carcinogens

Occupational Carcinogen

**CANCER**

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

**CANCER**

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

**CANCER**

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**CANCER**

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Supplied in liquid form via master batch.

**FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED**

ID: 95370-96-0

%: **1.0000 - 3.0000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Co Stabiliser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Also used as a plasticiser

**ZINC OXIDE**

ID: 1314-13-2

#: **0.5000 - 1.2000**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Active Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY**

**AOEC - Asthmagens**

**Asthmagen (Rs) - sensitizer-induced**

**ACUTE AQUATIC**

**EU - GHS (H-Statements)**

**H400 - Very toxic to aquatic life**

**CHRON AQUATIC**

**EU - GHS (H-Statements)**

**H410 - Very toxic to aquatic life with long lasting effects**

**MULTIPLE**

**German FEA - Substances Hazardous to Waters**

**Class 2 - Hazard to Waters**

SUBSTANCE NOTES: **used to suppress smoke generation**

### **TRIISOTRIDECYL PHOSPHITE**

ID: **77745-66-5**

#: **0.4000 - 0.6000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Stabiliser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

**German FEA - Substances Hazardous to Waters**

**Class 2 - Hazard to Waters**

SUBSTANCE NOTES: **used in thermal stabiliser**

### **ZINC NEODECANOATE**

ID: **27253-29-8**

#: **0.2000 - 0.3000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Stabiliser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

**German FEA - Substances Hazardous to Waters**

**Class 2 - Hazard to Waters**

SUBSTANCE NOTES: **Used in thermal stabiliser**

### **DIPROPYLENE GLYCOL DIACRYLATE**

ID: **57472-68-1**

#: **0.2000 - 0.4000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Lacquer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**

**No warnings found on HPD Priority lists**

SUBSTANCE NOTES: **Substance form UV cured lacquer**

### **EPICHLOROHYDRIN-BISPHENOL A RESIN**

ID: **25068-38-6**

#: **0.1000 - 0.2000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Aggregate Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Used to provide coloured coating for quartz aggregate

### 2-PROPENOIC ACID, (5-ETHYL-1,3-DIOXAN-5-YL)METHYL ESTER

ID: 66492-51-1

#: **0.1000 - 0.2000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Lacquer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Part of UV cured lacquer system

### 2-ETHYLHEXYL METHYL TEREPHTHALATE

ID: 63468-13-3

#: **Impurity/Residual**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: This is an impurity found in this plasticiser

## 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

### Floorscore

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **SCS Global**

APPLICABLE FACILITIES: **Products manufactured at Altro Ltd, Works Road, Letchworth Garden City, Hertfordshire, SG6 1NW, UK**

**02-01**

**12-31**

**Services**

CERTIFICATE URL:

<https://www.altro.com/getmedia/4e2d2021-f34c-4757-9b80-a3c42642681d/Altro-safety-and-slip-resistant-products.pdf.aspx>

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.*

### ACCESSORIES NOT INCLUDED

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Not applicable**

## Section 5: General Notes

This product uses accessories however these are not included on this HPD



## MANUFACTURER INFORMATION

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MANUFACTURER: **Altro Ltd**  
 ADDRESS: **Works Road**  
**Letchworth Garden City Herts SG6 1NW, UK**  
 WEBSITE: **www.altro.com**

CONTACT NAME: **Tracy Perry**  
 TITLE: **NPD Manager**  
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## KEY

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**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### Recycled Types

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms

#### 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.*