

**CLASSIFICATION:** 09 65 16.23

**PRODUCT DESCRIPTION:** A range of 2.0 - 2.5mm thick PVC based sheet safety flooring with enhanced slip resistance. Products in this HPD cover Altro Walkway 20, Altro Reliance 25, Altro Symphonia, Altro Aquarius, Altro Pisces and Altro XpressLay

## 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 MAXIS PUR BASED SAFETY FLOORING** [ **POLYVINYL CHLORIDE (PVC)** **LT-P1** | **RES CALCIUM CARBONATE** **BM-3** **BIS(2-ETHYLHEXYL) TEREPHTHALATE** **BM-3** **GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)** **LT-UNK** **QUARTZ** **LT-1** | **CAN SILICON CARBIDE** **LT-1** | **CAN 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER** **LT-P1** | **MUL DI(2-ETHYLHEXYL)ADIPATE (DEHA)** **LT-P1** | **CAN** | **END FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED** **NoGS** **TITANIUM DIOXIDE** **LT-1** | **CAN** | **END ZINC OXIDE** **BM-1** | **RES** | **AQU** | **MUL ALUMINUM OXIDE** **BM-2** | **RES TRIISOTRIDECYL PHOSPHITE** **LT-P1** | **MUL ZINC NEODECANOATE** **LT-P1** | **MUL EPICHLOROHYDRIN-BISPHENOL A RESIN** **LT-P1** | **AQU** | **SKI** | **EYE** | **MUL BARIUM NEODECANOATE** **LT-P1** | **MUL 2-ETHYLHEXYL METHYL TEREPHTHALATE** **NoGS** **DIPROPYLENE GLYCOL DIACRYLATE** **LT-UNK** **TETRAMETHYLENE DIACRYLATE** **LT-UNK** | **SKI** **ISOPHORONE DIAMINE** **LT-P1** | **SKI** | **MUL** ]

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: RFCI 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 MAXIS PUR BASED SAFETY FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurity information not available

OTHER PRODUCT NOTES: none

### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 42.0000 - 48.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Polymer
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: None

### CALCIUM CARBONATE

ID: 471-34-1

%: 15.0000 - 20.0000	GS: BM-3	RC: None	NANO: No	ROLE: Mineral Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

### BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

%: 5.0000 - 10.0000	GS: BM-3	RC: None	NANO: No	ROLE: Primary Plasticiser
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

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

ID: 65997-17-3

%: 5.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Post consumer recycled glass from UK wine bottles

### QUARTZ

ID: 14808-60-7

%: 4.0000 - 8.0000

GS: LT-1

RC: None

NANO: No

ROLE: Aggregate

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: None

### SILICON CARBIDE

ID: 409-21-2

%: 4.0000 - 8.0000

GS: LT-1

RC: None

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 2A - Agent is probably Carcinogenic to humans

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

CANCER

Japan - GHS

Carcinogenicity - Category 1B

SUBSTANCE NOTES: None

### 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: **Bio Plasticiser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **Derived from European grown maize**

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

ID: **103-23-1**

%: **3.0000 - 5.0000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Plasticiser**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

US EPA - IRIS Carcinogens

(1986) Group C - Possible human Carcinogen

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **None**

**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: **None**

**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: **None**

**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: **None****ALUMINUM OXIDE**

ID: 1344-28-1

%: **0.5000 - 1.0000**      GS: **BM-2**      RC: **None**      NANO: **No**      ROLE: **Aggregate**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY      AOEC - Asthmagens      Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: **None****TRISOTRIDECYL PHOSPHITE**

ID: 77745-66-5

%: **0.2000 - 0.4000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Stabiliser Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE      German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters

SUBSTANCE NOTES: **None****ZINC NEODECANOATE**

ID: 27253-29-8

%: **0.2000 - 0.4000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Stabiliser Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE      German FEA - Substances Hazardous to Waters      Class 2 - Hazard to Waters

SUBSTANCE NOTES: **None**

**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: **None****BARIUM NEODECANOATE**

ID: 55172-98-0

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: **None****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
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SUBSTANCE NOTES: **None****DIPROPYLENE GLYCOL DIACRYLATE**

ID: 57472-68-1

#: **0.0500 - 0.1000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Lacquer Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: **None**

#: **0.0500 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lacquer Ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **None**

## ISOPHORONE DIAMINE

ID: 2855-13-2

#: **0.0200 - 0.0400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Quartz Coating Hardener**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **None**

## 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

### RFCI FloorScore

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **SCS**

APPLICABLE FACILITIES: **Altro Ltd, Letchworth Garden  
City, Herts SG6 1NW UK**

**02-01**

**12-31**

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

Accessories are not included in this HPD





## MANUFACTURER INFORMATION

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MANUFACTURER: **Altro Ltd**  
 ADDRESS: **Altro Ltd**  
**Works Road**  
**Letchworth Garden City Herts SG61NW, UK**  
 WEBSITE: **www.altro.com**

CONTACT NAME: **Tracy Perry**  
 TITLE: **NPD Manager**  
 PHONE: **44(0)1462489252**  
 EMAIL: **tper@altro.com**

## 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.*