

**CLASSIFICATION:** 09 65 16.23

**PRODUCT DESCRIPTION:** A range of 2-4mm homogenous PVC based sheet safety flooring with enhanced slip resistance. Products covered by this HPD are Altro ContraX, Altro Atlas 40, Altro Classic 25, Altro Stronghold 30, Altro Marine 20, Altro Impressionist II.

## 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

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No  
*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified**  Yes Ex/SC  Yes  No  
*All substances disclosed by Name (Specific or Generic) and Identifier.*

### 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 STANDARD SAFETY FLOORING | POLYVINYL CHLORIDE (PVC) LT-P1 | RES LIMESTONE; CALCIUM CARBONATE LT-UNK | CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK | BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3 | 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER LT-P1 | MUL QUARTZ LT-1 | CAN DI(2-ETHYLHEXYL)ADIPATE (DEHA) LT-P1 | CAN | END FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED NoGS | TITANIUM DIOXIDE LT-1 | CAN | END BARIUM DIBENZOATE LT-UNK | ZINC DIBENZOATE LT-P1 | MUL BARIUM DILAURATE LT-UNK | FATTY ACIDS, C14-18 AND C16-18-UNSATD., BARIUM SALTS NoGS | 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 | ISOPHORONE DIAMINE LT-P1 | SKI | MUL ]**

Number of Greenscreen BM-4/BM3 contents ... 1

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

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-12-04

PUBLISHED DATE: 2019-07-16

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

### ALTRO STANDARD SAFETY FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Not considered as information not available

OTHER PRODUCT NOTES: none

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 40.00 - 45.00

GS: LT-P1

RC: None

NANO: No

ROLE: Main Polymer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: None

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 15.00 - 25.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

#### CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 10.00 - 10.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Recycled Aggregate

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Post consumer glass from UK wine bottles

### BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 8.00 - 15.00

GS: BM-3

RC: None

NANO: No

ROLE: Plasticiser

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: None

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

ID: 77-90-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 5.00 - 8.00

GS: LT-P1

RC: None

NANO: No

ROLE: Bioplasticiser

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Derived from European grown maize

### QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-12-04

#: 4.00 - 8.00

GS: LT-1

RC: None

NANO: No

ROLE: Aggregate

HAZARD TYPE	AGENCY AND LIST TITLES	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**

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

ID: **103-23-1**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-12-04**

#: **2.00 - 4.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Plasticiser**

HAZARD TYPE	AGENCY AND LIST TITLES	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**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-12-04**

#: **1.00 - 2.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Co Stabiliser**

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

SUBSTANCE NOTES: **None**

### TITANIUM DIOXIDE

ID: **13463-67-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-12-04**

%: **1.00 - 2.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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 as a liquid master batch**

### BARIUM DIBENZOATE

ID: **533-00-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-12-04**

%: **1.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

SUBSTANCE NOTES: **None**

### ZINC DIBENZOATE

ID: **553-72-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-12-04**

%: **1.00 - 5.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

SUBSTANCE NOTES: **None**

### BARIUM DILAURATE

ID: **4696-57-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-12-04**

%: **1.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

### FATTY ACIDS, C14-18 AND C16-18-UNSATD., BARIUM SALTS

ID: 95465-85-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-04		
%: 1.00 - 5.00	GS: NoGS	RC: None	NANO: No	ROLE: Stabiliser Ingredient
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: None				

### ZINC OXIDE

ID: 1314-13-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-04		
%: 0.50 - 1.20	GS: BM-1	RC: None	NANO: No	ROLE: Active Filler
HAZARD TYPE	AGENCY AND LIST TITLES	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

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-04		
%: 0.50 - 1.00	GS: BM-2	RC: None	NANO: No	ROLE: Aggregate
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES: None				

**TRIIISOTRIDECYL PHOSPHITE**

ID: 77745-66-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-12-04**%: **0.20 - 0.40** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

ID: 27253-29-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-12-04**%: **0.10 - 0.30** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **None****EPICHLOROHYDRIN-BISPHENOL A RESIN**

ID: 25068-38-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-12-04**%: **0.10 - 0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Aggregate Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

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

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-12-04**%: **0.10 - 0.20** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SUBSTANCE NOTES: None		

## 2-ETHYLHEXYL METHYL TEREPHTHALATE

ID: 63468-13-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-04		
%: <b>Impurity/Residual</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Impurity/Residual</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: Impurity in plasticiser				

## ISOPHORONE DIAMINE

ID: 2855-13-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2018-12-04		
%: <b>0.04</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Quartz Coating Hardener</b>
HAZARD TYPE	AGENCY AND LIST TITLES	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 Global**

APPLICABLE FACILITIES: **Altro Ltd Letchworth Garden  
City Hertfordshire SG61NW United Kingdom**

**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: **FloorScore**

## 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 IN HPD

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Not required**

## Section 5: General Notes

This product uses accessories however these are not covered by a HPD.



## MANUFACTURER INFORMATION

---

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

---

**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.*