

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 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

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 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: 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

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

| | | | | |
|----------------------|-----------|----------|----------|--------------------|
| %: 40.0000 - 45.0000 | GS: LT-P1 | RC: None | NANO: No | ROLE: Main Polymer |
|----------------------|-----------|----------|----------|--------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: None

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

| | | | | |
|----------------------|------------|----------|----------|--------------|
| %: 15.0000 - 25.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Filler |
|----------------------|------------|----------|----------|--------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

| | | | | |
|----------------------|------------|----------|----------|--------------------------|
| %: 10.0000 - 10.0000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Recycled Aggregate |
|----------------------|------------|----------|----------|--------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Post consumer glass from UK wine bottles

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

#: 8.0000 - 15.0000

GS: BM-3

RC: None

NANO: No

ROLE: Plasticiser

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

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

ID: 77-90-7

#: 5.0000 - 8.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Bioplasticiser

HAZARDS:

AGENCY(IES) WITH 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

#: 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

DI(2-ETHYLHEXYL)ADIPATE (DEHA)

ID: 103-23-1

#: 2.0000 - 4.0000

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 - 2.0000** 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: Supplied as a liquid master batch

BARIUM DIBENZOATE

ID: 533-00-6

%: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

SUBSTANCE NOTES: None

ZINC DIBENZOATE

ID: 553-72-0

%: **1.0000 - 5.0000** 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 | | |

BARIUM DILAURATE

ID: 4696-57-5

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

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

ID: 95465-85-3

#: **1.0000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Stabiliser Ingredient**

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

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**

#: **0.1000 - 0.3000** 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 Ingredient**

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

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

SUBSTANCE NOTES: Impurity in plasticiser

ISOPHORONE DIAMINE

ID: 2855-13-2

#: **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 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

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

GreenScreen (GS)

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