

Section 1: Summary

CONTENT INVENTORY

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

- Residuals and impurities considered in 0 of 1 materials
- see Section 2: Material Notes
 - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

| | | |
|---|----------------------------------|-----------------------|
| Characterized..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes | No |
| Screened..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes | No |
| Identified..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier? | Yes | No |

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 WOODS [POLYVINYL CHLORIDE (PVC) **LT-P1** | RES LIMESTONE; CALCIUM CARBONATE **LT-UNK** TRIS(2-ETHYLHEXYL) 2-(ACETYLOXY)PROPANE-1,2,3-TRICARBOXYLATE **LT-UNK** 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIBUTYL ESTER **LT-P1** | MUL DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC **LT-1** | CAN | MUL TITANIUM DIOXIDE **LT-1** | CAN | END TRIISOTRIDECYL PHOSPHITE **LT-P1** | MUL EPOXIDIZED SOYBEAN OIL **LT-UNK** ZINC NEODECANOATE **LT-P1** | MUL ALCOHOLS, C11-14-ISO-, C13-RICH **LT-P1** | MUL DIPHENYL (2-ETHYLHEXYL) PHOSPHATE **LT-1** | PBT | MUL ALUMINA TRIHYDRATE **BM-2** | RES]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: Indoor Air Comfort Gold

See Section 3 for additional listings.

| | | | |
|--|-----------------|------------------------------|--|
| <input checked="" type="radio"/> Self-Published* | VERIFIER: | SCREENING DATE: May 31, 2017 | EXPIRY DATE*: May 31, 2020 |
| <input type="radio"/> Third Party Verified | VERIFICATION #: | RELEASE DATE: June 1, 2017 | * or within 3 months of significant change in product contents |
| *See HPDC website for details | | | |



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

ALTRO WOODS

HPD URL: %: 100.0000 - 100.0000

Inventory Threshold: 1000 ppm Residuals Considered: No

Material Notes:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: 40.0000 - 60.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Main polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 12.0000 - 20.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Mineral Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

TRIS(2-ETHYLHEXYL) 2-(ACETYLOXY)PROPANE-1,2,3-TRICARBOXYLATE

ID: 144-15-0

%: 8.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Bioplasticiser

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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

ID: 77-90-7

%: 8.0000 - 15.0000

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:

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC

ID: 64742-55-8

| | | | | |
|--------------------|----------|----------|----------|----------------------------|
| %: 1.0000 - 2.0000 | GS: LT-1 | RC: None | NANO: NO | ROLE: Viscosity Supressant |
|--------------------|----------|----------|----------|----------------------------|

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

| | | |
|----------|----------------------------|--|
| CANCER | EU - R-phrases | R45 - May cause cancer |
| CANCER | EU - GHS (H-Statements) | H350 - May cause cancer |
| CANCER | EU - REACH Annex XVII CMRs | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man |
| MULTIPLE | ChemSec - SIN List | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| CANCER | Australia - GHS | H350 - May cause cancer |

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

| | | | | |
|--------------------|----------|----------|----------|---------------|
| %: 0.5000 - 1.5000 | 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 |

SUBSTANCE NOTES:

TRIIISOTRIDECYL PHOSPHITE

ID: 77745-66-5

#: 0.5000 - 0.8000 GS: LT-P1 RC: None NANO: NO ROLE: Thermal Stabiliser

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

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

SUBSTANCE NOTES:

EPOXIDIZED SOYBEAN OIL

ID: 8013-07-8

#: 0.4000 - 0.8000 GS: LT-UNK RC: None NANO: NO ROLE: Co-stabiliser

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ZINC NEODECANOATE

ID: 27253-29-8

#: 0.1000 - 0.3000 GS: LT-P1 RC: None NANO: NO ROLE: Thermal Stabiliser

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

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

SUBSTANCE NOTES:

ALCOHOLS, C11-14-ISO-, C13-RICH

ID: 68526-86-3

#: 0.1000 - 0.3000 GS: LT-P1 RC: None NANO: NO ROLE: Thermal Stabiliser

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

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

SUBSTANCE NOTES:

DIPHENYL (2-ETHYLHEXYL) PHOSPHATE

ID: 1241-94-7

#: 0.0000 - 3.0000 GS: LT-1 RC: None NANO: NO ROLE: Plasticiser

| HAZARDS: | | AGENCY(IES) WITH WARNINGS: | |
|----------|--|-------------------------------------|--|
| PBT | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Substance of Possible Concern | |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters | |

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

| | | | | |
|--------------------|----------|----------|----------|------------------------------|
| %: 0.0000 - 4.0000 | GS: BM-2 | RC: None | NANO: NO | ROLE: Flame retardant Filler |
|--------------------|----------|----------|----------|------------------------------|

| HAZARDS: | | AGENCY(IES) WITH WARNINGS: | |
|-------------|-------------------|---|--|
| RESPIRATORY | AOEC - Asthmagens | Asthmagen (ARs) - sensitizer-induced - inhalable forms only | |

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

CERTIFYING PARTY: Third Party
 APPLICABLE FACILITIES: Dessau Germany
 CERTIFICATE URL: <http://www.altro.com/getmedia/f2b3a538-f9e0-4699-ad67-783ee604624a/Indoor-Air-Comfort-Gold-Cert-1.pdf.aspx>
<http://www.altro.com/getmedia/97d568f9-9295-473d-8274-e9e864ec722e/Indoor-Air-Comfort-Gold-Cert-2.pdf.aspx>

CERTIFICATION AND COMPLIANCE NOTES:

Indoor Air Comfort Gold

| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB: |
|-------------|--------------|-------------------|
| 2017-04-19 | 2022-04-19 | Eurofins |

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.

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: Altro Ltd

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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) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.