

**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 ORCHESTRA, ALTRO SERENADE AND ALTRO OPERETTA [ 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 ZINC NEODECANOATE **LT-P1** | MUL ALCOHOLS, C11-14-ISO-, C13-RICH **LT-P1** | MUL DIPHENYL (2-ETHYLHEXYL) PHOSPHATE **LT-1** | PBT | MUL TRIPHENYL PHOSPHATE **BM-2** | END | 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 17, 2017	EXPIRY DATE*: May 17, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: May 17, 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ALTRO ORCHESTRA, ALTRO SERENADE AND ALTRO OPERETTA %: 100.0000 - 100.0000 HPD URL:

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
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## 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
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**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
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**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:

**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
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SUBSTANCE NOTES:

**DIPHENYL (2-ETHYLHEXYL) PHOSPHATE**

ID: 1241-94-7

%: 0.0000 - 3.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Plasticiser
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Substance of Possible Concern
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MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

**TRIPHENYL PHOSPHATE**

ID: 115-86-6

%: 0.0000 - 0.5000	GS: BM-2	RC: None	NANO: NO	ROLE: Plasticiser
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
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ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES:

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

%: 0.0000 - 4.0000	GS: BM-2	RC: None	NANO: NO	ROLE: Flame retardant Filler
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**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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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: Product Manufactured in Altro  
Debolon, Dessau Germany  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES:

#### Indoor Air Comfort Gold

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

- |                                       |  |  |
|---------------------------------------|--|--|
| <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>UNK</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

- 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.