

Aluminum Extruded Profiles for Architectural & Industrial Applications by Aluminium Products Company (ALUPCO)

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 05 00 00 Metals

PRODUCT DESCRIPTION: The aluminum extruded profiles are available in a variety of depths, widths, lengths and profile shape based on customers requirements. The profiles can be used in various architectural and industry applications.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 0 of 5 Materials

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

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

SUBSTRATE [UNS A96063 ALUMINUM ALLOY NoGS] FINISH [1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL AND HEXANEDIOIC ACID NoGS TITANIUM DIOXIDE LT-1 | CAN | END BARIUM SULFATE BM-2 | CAN TRIGLYCIDYL ISOCYANURATE (TGIC) LT-1 | RES | GEN | MAM | SKI | EYE | MUL 2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE LT-UNK 1,2-BIS(OCTADECANAMIDO)ETHANE LT-UNK SILICA, AMORPHOUS BM-1 | CAN FUMED SILICA, CRYSTALLINE-FREE BM-1 | CAN] FINISH ALTERNATE 1 [BARIUM SULFATE BM-2 | CAN 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BENZENEDICARBOXYLIC ACID, 2,2-DIMETHYL-1,3-PROPANEDIOL AND 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL NoGS 1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL AND HEXANEDIOIC ACID NoGS COPPER LT-P1 | MUL TRIGLYCIDYL ISOCYANURATE (TGIC) LT-1 | RES | GEN | MAM | SKI | EYE | MUL POLYACRYLIC ACID LT-UNK | CAN 2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE LT-UNK MICA LT-UNK SILICA, AMORPHOUS BM-1 | CAN FERRIC OXIDE BM-1 | CAN FUMED SILICA, CRYSTALLINE-FREE BM-1 | CAN POLYETHYLENE LT-UNK ZINC MERCAPTOBENZOTHAZOLE LT-P1 | MUL 1,10-DECANEDICARBOXYLIC ACID LT-UNK | RES POLYPROPYLENE LT-UNK POLYTETRAFLUOROETHYLENE BM-1] FINISH ALTERNATE 2 [TEREPHTHALIC ACID BM-2 BARIUM SULFATE BM-2 | CAN 1,3-PROPANEDIOL, 2,2-DIMETHYL- LT-UNK ISOPHTHALIC ACID LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The products included in this HPD are aluminum extruded profiles used for window, door framing and other architectural & industrial applications. Various sizes and shapes are accounted for by the ranges and raw materials presented in this HPD. The aluminum alloy does not have a CAS number and as such, the HPD is marked No for identified.

FINISH ALTERNATE 3 [ALUMINA TRIHYDRATE BM-2 TITANIUM DIOXIDE
LT-1 | CAN | END TRIGLYCIDYL ISOCYANURATE (TGIC) LT-1 | RES | GEN |
MAM | SKI | EYE | MUL 1,3-PROPANEDIOL, 2,2-DIMETHYL- LT-UNK
TEREPHTHALIC ACID BM-2 ISOPHTHALIC ACID LT-UNK]

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: Inherently non- emitting source per LEED®

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER: WAP Sustainability Consulting
VERIFICATION #: zPr-10050

SCREENING DATE: 2020-05-15
PUBLISHED DATE: 2020-05-15
EXPIRY DATE: 2023-05-15



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

SUBSTRATE

%: 94.00 - 99.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered. Only those intentionally added ingredients above 100 ppm are included.

OTHER MATERIAL NOTES: A range of the material's weight percentage is given to account for variation in profile shapes and finish thickness.

UNS A96063 ALUMINUM ALLOY

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 100.00

GS: NoGS

RC: UNK

NANO: No

ROLE: Profile

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance is part of the aluminum alloy matrix. Due to the commodity nature of aluminum alloy, the status of recycled content is unknown.

FINISH

%: 1.00 - 6.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered. Only those intentionally added ingredients above 100 ppm are included.

OTHER MATERIAL NOTES: A range of the material's weight percentage is given to account for variation in the finish thickness and profile shapes.

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL AND HEXANEDIOIC ACID

ID: 26141-00-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 55.00 - 60.00

GS: NoGS

RC: None

NANO: No

ROLE: Finish Ingredient

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
-------------	------------------------	----------

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2020-05-15**

#: **20.00 - 25.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

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: A range is given to protect the proprietary nature of the formulation.

BARIUM SULFATE

ID: 7727-43-7

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

HAZARD SCREENING DATE: **2020-05-15**

#: **10.00 - 15.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

TRIGLYCIDYL ISOCYANURATE (TGIC)

ID: 2451-62-9

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

HAZARD SCREENING DATE: **2020-05-15**

#: **2.50 - 5.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	GHS - Korea	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE

ID: 26760-85-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.50 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

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

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

1,2-BIS(OCTADECANAMIDO)ETHANE

ID: 110-30-5

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 0.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

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

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

SILICA, AMORPHOUS

ID: 7631-86-9

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 0.50** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 0.50** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

FINISH ALTERNATE 1

#: **0.00**

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered. Only those intentionally added ingredients above 100 ppm are included.

OTHER MATERIAL NOTES: A range of the material's weight percentage is given to account for variation in the finish thickness and profile shapes. This is an alternate material of Finish.

BARIUM SULFATE

ID: 7727-43-7

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

HAZARD SCREENING DATE: **2020-05-15**

%: **35.00 - 40.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.**

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 1,4-BENZENEDICARBOXYLIC ACID, 2,2-DIMETHYL-1,3-PROPANEDIOL AND 2-ETHYL-2-(HYDROXYMETHYL)-1,3-PROPANEDIOL

ID: **53808-41-6**

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

HAZARD SCREENING DATE: **2020-05-15**

%: **28.00 - 33.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation.**

1,3-BENZENEDICARBOXYLIC ACID, POLYMER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL AND HEXANEDIOIC ACID

ID: **26141-00-4**

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

HAZARD SCREENING DATE: **2020-05-15**

%: **22.00 - 27.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation.**

COPPER

ID: **7440-50-8**

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

HAZARD SCREENING DATE: **2020-05-15**

%: **10.00 - 15.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation.**

TRIGLYCIDYL ISOCYANURATE (TGIC)

ID: **2451-62-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**%: **2.50 - 5.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	GHS - Korea	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation.****POLYACRYLIC ACID**ID: **9003-01-4**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**%: **1.00 - 2.50**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Finish Ingredient**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: **A range is given to protect the proprietary nature of the formulation.**

2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH 2-ETHYLHEXYL 2-PROPENOATE

ID: 26760-85-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 2.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

MICA

ID: 12001-26-2

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 2.50**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

SILICA, AMORPHOUS

ID: 7631-86-9

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 1.00**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

FERRIC OXIDE

ID: 1309-37-1

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.10 - 2.50**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**

%: 0.10 - 1.00	GS: BM-1	RC: None	NANO: No	ROLE: Finish Ingredient
-----------------------	-----------------	-----------------	-----------------	--------------------------------

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

GHS - Japan

Carcinogenicity - Category 1A [H350]

CANCER

GHS - Australia

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

POLYETHYLENE

ID: 9002-88-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**

%: 0.01 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Finish Ingredient
-----------------------	-------------------	-----------------	-----------------	--------------------------------

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

ZINC MERCAPTOBENZOTHAZOLE

ID: 155-04-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**

%: 0.01 - 1.00	GS: LT-P1	RC: None	NANO: No	ROLE: Finish Ingredient
-----------------------	------------------	-----------------	-----------------	--------------------------------

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

1,10-DECANEDICARBOXYLIC ACID

ID: 693-23-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**

%: 0.01 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Finish Ingredient
-----------------------	-------------------	-----------------	-----------------	--------------------------------

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

POLYPROPYLENE

ID: 9003-07-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.01 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

POLYTETRAFLUOROETHYLENE

ID: 9002-84-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.00 - 1.00**

GS: **BM-1**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

FINISH ALTERNATE 2

#: **0.00**

PRODUCT THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered. Only those intentionally added ingredients above 100 ppm are included.

OTHER MATERIAL NOTES: A range of the material's weight percentage is given to account for variation in the finish thickness and profile shapes. This is an alternate material of Finish.

TEREPHTHALIC ACID

ID: 100-21-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **25.00 - 40.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

BARIUM SULFATE

ID: 7727-43-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**%: **25.00 - 30.00**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**MAK****Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

1,3-PROPANEDIOL, 2,2-DIMETHYL-

ID: 126-30-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**%: **15.00 - 25.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

ISOPHTHALIC ACID

ID: 121-91-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**%: **5.00 - 15.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

FINISH ALTERNATE 3%: **0.00**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are considered. Only those intentionally added ingredients above 100 ppm are included.

OTHER MATERIAL NOTES: A range of the material's weight percentage is given to account for variation in the finish thickness and profile shapes. This is an alternate material of Finish.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-05-15**

%: 10.00 - 25.00

GS: BM-2

RC: None

NANO: No

ROLE: Finish Ingredient

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 2.50 - 10.00

GS: LT-1

RC: None

NANO: No

ROLE: Finish Ingredient

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: A range is given to protect the proprietary nature of the formulation.

TRIGLYCIDYL ISOCYANURATE (TGIC)

ID: 2451-62-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-05-15

%: 2.50 - 10.00

GS: LT-1

RC: None

NANO: No

ROLE: Finish Ingredient

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	GHS - Korea	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	GHS - New Zealand	6.6A - Known or presumed human mutagens
GENE MUTATION	GHS - Japan	Germ cell mutagenicity - Category 1B [H340]

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation.

1,3-PROPANEDIOL, 2,2-DIMETHYL-

ID: 126-30-7

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.00 - 85.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

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

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The minimum combined percentage of this substance, TEREPHTHALIC ACID and ISOPHTHALIC ACID is 54% of the material.

TEREPHTHALIC ACID

ID: 100-21-0

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.00 - 85.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The minimum combined percentage of this substance, 1,3-PROPANEDIOL, 2,2-DIMETHYL- and ISOPHTHALIC ACID is 54% of the material. The GreenScreen Benchmark score was sourced from the Pharos chemicals database.

ISOPHTHALIC ACID

ID: **121-91-5**

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

HAZARD SCREENING DATE: **2020-05-15**

#: **0.00 - 85.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finish Ingredient**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given to protect the proprietary nature of the formulation. The minimum combined percentage of this substance, 1,3-PROPANEDIOL, 2,2-DIMETHYL- and TEREPHTHALIC ACID is 54% of the material.

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

Inherently non- emitting source per LEED®

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

04-30

CERTIFICATE URL:

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.

No accessories are required for this product.

Section 5: General Notes

The products included in this HPD are aluminum extruded profiles used for window and door framing. Various sizes and shapes are accounted for by the ranges and raw materials presented in this HPD.



MANUFACTURER INFORMATION

MANUFACTURER: **Aluminium Products Company (ALUPCO)**

ADDRESS: **1st Industrial Area Dammam City Dammam 32234, Saudi Arabia**

WEBSITE: **http://www.alupco.com**

CONTACT NAME: **Mohammad Ramzi Qasim**

TITLE: **Quality Supervisor**

PHONE: **+966 13 8666 511**

EMAIL: **qasim@alupco.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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

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

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

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

NoGS 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 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.