

CLASSIFICATION: 07 46 16

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THIS HPD COVERS DIGITALLY PRINTED ALUMINUM SIDING FROM DIZAL. DIZAL'S TECHNOLOGY PRINTS AUTHENTIC TEXTURES OF VARIOUS MATERIALS FROM AN EXCLUSIVE HIGH DEFINITION DIGITAL INKJET PRINTING PROCESS. MORE SPECIFICALLY, THIS HPD COVERS THE FOLLOWING ALUMINUM SIDING PANELS: 4" V GROOVE PANEL (PROFILE V), 4" FLAT PANEL (PROFILE F), 6" V GROOVE PANEL (PROFILE V), 6" CHANNEL PANEL (PROFILE C), 6" FLAT PANEL (PROFILE F), 8" FLAT PANEL (PROFILE F).

Section 1: Summary

CONTENT INVENTORY

Threshold per material <input checked="" type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input type="radio"/> Other	Residuals and impurities considered in 4 of 4 materials <input checked="" type="radio"/> see Section 2: Material Notes <input checked="" type="radio"/> see Section 5: General Notes	Based on the selected Content Inventory Threshold: Characterized..... Are the Percent Weight and Role provided for all substances? <input checked="" type="radio"/> Yes <input type="radio"/> No Screened..... Are all substances screened using Priority Hazard Lists with results disclosed? <input checked="" type="radio"/> Yes <input type="radio"/> No Identified..... Are all substances disclosed by Name (Specific or Generic) and Identifier? <input type="radio"/> Yes <input checked="" type="radio"/> No
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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

ALUMINUM [6063 ALUMINUM UNK LEAD LT-1 | MAM | AQU | DEV | REP | CAN | PBT | MUL | END | GEN
 CADMIUM LT-1 | MAM | CAN | AQU | REP | DEV | PBT | GEN | PHY | MUL] PAINT [TOLUENE BM-1 | MAM
 | SKI | DEV | REP | PHY | END | MUL BARIUM SULFATE BM-2 POLYVINYLIDENE FLUORIDE (1,1-
 DIFLUOROETHENE HOMOPOLYMER) LT-UNK ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) LT-P1 |
 MAM | EYE | SKI | END | CAN DIMETHYL PHTHALATE (DMP) LT-UNK | MUL | REP TITANIUM DIOXIDE
 BM-1 | CAN PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA) LT-UNK XYLENES BM-1 |
 MAM | SKI | END | MUL ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE
 COPOLYMER LT-P1 | END SILICA, AMORPHOUS BM-1 ETHYLBENZENE LT-1 | MAM | CAN | PHY] INKS
 [UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-P1 | EYE | SKI | AQU |
 MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK
 2-BUTENEDIOIC ACID (Z)-, BIS(2-ETHYLHEXYL) ESTER LT-P1 | MUL DIPENTAERYTHRITOL
 HEXAACRYLATE UNK DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA) LT-UNK
 VINYL CAPROLACTAM LT-UNK] FINISH [1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL
 URETHANE DIMETHACRYLATE LT-UNK PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE
 LT-UNK | SKI]

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:**

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: November 1, 2016	EXPIRY DATE*: November 1, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: November 1, 2016	* 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.

ALUMINUM

%: **99.0000**

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: 6063-5 aluminum alloy contains 10% of post-consumer recycled content and 3% pre-consumer recycled content.

6063 ALUMINUM

ID:

%: 100.0000

GS: UNK

RC: Both

NANO: NO

ROLE: Main material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 6063-5 alloy

LEAD

ID: 7439-92-1

%: Impurity/Residual

GS: LT-1

RC: None

NANO: NO

ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

DEVELOPMENTAL

EU - R-phrases

R61 - May cause harm to the unborn child

REPRODUCTIVE

EU - R-phrases

R62 - Possible risk of impaired fertility

DEVELOPMENTAL

G&L - Neurotoxic Chemicals

Developmental Neurotoxicant

CANCER

US EPA - IRIS Carcinogens

(1986) Group B2 - Probable human Carcinogen

CANCER

IARC

Group 2a - Agent is probably Carcinogenic to humans

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

PBT

US EPA - Priority PBTs (NWMP)

Priority PBT

PBT	WA DoE - PBT	PBT
REPRODUCTIVE	CA EPA - Prop 65	Developmental Toxicity - Female
REPRODUCTIVE	CA EPA - Prop 65	Developmental Toxicity - Male
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
PBT	US EPA - Priority PBTs (PPT)	Priority PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
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
DEVELOPMENTAL	EU - GHS (H-Statements)	H360Df - May damage the unborn child. Suspected of damaging fertility
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
GENE MUTATION	MAK	Germ Cell Mutagen 3a
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A

SUBSTANCE NOTES: Aluminum alloy extrusions contain lead (Pb) as an impurity in the metal at levels less than 10 ppm.

CADMIUM

ID: 7440-43-9

%: Impurity/Residual GS: LT-1 RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed

MAMMALIAN	EU - R-phrases	R26 - Very Toxic by Inhalation
CANCER	EU - R-phrases	R45 - May cause cancer
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
DEVELOPMENTAL	EU - R-phrases	R63 - Possible risk of harm to the unborn child
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
GENE MUTATION	EU - R-phrases	R68 - May cause irreversible effects
REPRODUCTIVE	CA EPA - Prop 65	Developmental Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
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
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure

SUBSTANCE NOTES: See Material notes

BARIUM SULFATE

ID: 7727-43-7

%: 10.0000 - 30.0000 GS: BM-2 RC: None NANO: NO ROLE: Ingredient #2

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material notes

POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)

ID: 24937-79-9

%: 7.0000 - 13.0000 GS: LT-UNK RC: None NANO: NO ROLE: Ingredient #3

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material notes

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

%: 5.0000 - 10.0000 GS: LT-P1 RC: None NANO: NO ROLE: Ingredient #4

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: See Material notes

DIMETHYL PHTHALATE (DMP)

ID: 131-11-3

%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #5
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
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REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
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SUBSTANCE NOTES: See Material notes

TITANIUM DIOXIDE

ID: 13463-67-7

%: 5.0000 - 10.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Ingredient #6
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
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CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
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CANCER	IARC	Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources
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CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
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SUBSTANCE NOTES: See Material notes

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

ID: 108-65-6

%: 3.0000 - 7.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #7
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found	No warnings found on HPD Priority lists	
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SUBSTANCE NOTES: See Material notes

XYLENES

ID: 1330-20-7

%: 1.0000 - 5.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Ingredient #8
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
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MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: See Material notes

ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER ID: 25036-25-3

%: 1.0000 - 5.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Ingredient #9
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
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SUBSTANCE NOTES: Epoxy resin (700 < Molecular Weight <= 1100)

SILICA, AMORPHOUS

ID: 7631-86-9

%: 1.0000 - 5.0000	GS: BM-1	RC: None	NANO: NO	ROLE: Ingredient #10
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists	
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SUBSTANCE NOTES: See Material notes

ETHYLBENZENE

ID: 100-41-4

%: 0.1000 - 1.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Ingredient #11
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways

CANCER

MAK

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

SUBSTANCE NOTES: See Material notes

INKS

%: 0.3300

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: Inkjet inks used for creating various textures and print. The inventory contains 6 types of ink products: primary colors (magenta, cyan, yellow), black and clear coating. The composition is very similar among all 6 products, therefore only one material has been created.

UNDISCLOSED

%: 25.0000 - 35.0000 GS: LT-P1 RC: None NANO: NO ROLE: Ingredient #1

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 15.0000 - 39.5000 GS: LT-P1 RC: None NANO: NO ROLE: Ingredient #2

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 5.0000 - 8.0000 GS: LT-P1 RC: None NANO: NO ROLE: Ingredient #3

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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 IRRITATION	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
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 4.0000 - 15.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #4
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HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 3.0000 - 7.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #6
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HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 3.0000 - 90.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #5
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HAZARDS:

None Found

AGENCY(IES) WITH WARNINGS:

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

UNDISCLOSED

%: 1.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Ingredient #7
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products. The substance identity is protected by a Non-Disclosure Agreement.

2-BUTENEDIOIC ACID (Z)-, BIS(2-ETHYLHEXYL) ESTER

ID: 142-16-5

%: 1.0000 - 2.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Ingredient #8

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

MULTIPLE

German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Ranges come from the variation among ink products.

DIPENTAERYTHRITOL HEXAACRYLATE

ID: 29570-58-9

%: 1.0000 - 2.0000

GS: UNK

RC: None

NANO: NO

ROLE: Ingredient #9

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products.

DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA)

ID: 88917-22-0

%: 0.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Ingredient #10

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products.

VINYL CAPROLACTAM

ID: 2235-00-9

%: 0.0000 - 12.5000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Ingredient #11

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ranges come from the variation among ink products.

FINISH

%: 0.3300 HPD URL:

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes: UV-Curable coating

1,6-HEXANEDIOL DIACRYLATE

ID: 13048-33-4

%: 10.0000 - 80.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Ingredient #1

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

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN IRRITATION

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

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Ingredient weight ratio is shown as range to protect proprietary information

URETHANE DIMETHACRYLATE

ID: 72869-86-4

%: 2.0000 - 35.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Ingredient #2

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

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Approximation for Urethane Acrylate oligomer resin. Ingredient weight ratio is shown as range to protect proprietary information

%: 0.0010 - 10.0000 GS: LT-UNK RC: None NANO: NO ROLE: Ingredient #3

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Ingredient weight ratio is shown as range to protect proprietary information

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.

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

All residuals and/or impurities, that may have been present, have been reported for Dizal's aluminum siding products according to suppliers' best knowledge.



MANUFACTURER INFORMATION

MANUFACTURER: Dizal Inc.

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 Canada

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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.