

CLASSIFICATION: 08 36 13

PRODUCT DESCRIPTION: Our models are made of steel or aluminum cladding that is covered with a baked polyester paint. Steel plates are inserted into the panel at locations dedicated to hardware. Extruded Polystyrene XPS End Block are inserted at the ends of the panels prior to pressure injection of polyurethane insulation. All these operations increase the rigidity, mechanical resistance, insulation, quality of the panel and better resistance to moisture (the extruded polystyrene XPS end block is rot-proof).

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 16 Materials

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**  
**PRE-PAINTED SHEET STEEL [ IRON LT-P1 | END ZINC LT-P1 | AQU | END | MUL | PHY MANGANESE LT-P1 | END | MUL | REP CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | CAN | RES | SKI | MAM | MUL POLYESTER NoGS ]**  
**HARDWARE GALVANIZED STEEL #1 [ IRON LT-P1 | END ZINC LT-P1 | AQU | END | MUL | PHY MANGANESE LT-P1 | END | MUL | REP CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | CAN | RES | SKI | MAM | MUL ]**  
**HARDWARE STEEL [ IRON LT-P1 | END MANGANESE LT-P1 | END | MUL | REP CHROMIUM LT-P1 | RES | END | SKI NICKEL LT-1 | CAN | RES | SKI | MAM | MUL ]**  
**INSULATION - POLYURETHANE [ POLYURETHANE FOAMS LT-UNK 1,1,1,3,3-PENTAFLUOROPROPANE LT-UNK ] | HARDWARE GALVANIZED STEEL #2 [ STEEL NoGS IRON LT-P1 | END ZINC LT-P1 | AQU | END | MUL | PHY END BLOCK - POLYSTYRENE [ POLYSTYRENE LT-UNK POLYSTYRENE LT-UNK ] | HARDWARE PVC #4 [ POLYVINYL CHLORIDE (PVC) LT-P1 | RES UNDISCLOSED LT-1 | CAN | END UNDISCLOSED LT-P1 | END UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | CAN UNDISCLOSED BM-2 | RES UNDISCLOSED LT-UNK UNDISCLOSED BM-3 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | PBT | SKI | DEL | MAM | MUL UNDISCLOSED LT-1 | PBT | DEL | MUL UNDISCLOSED LT-P1 | END ] | HARDWARE ALUMINIUM [ ALUMINIUM LT-P1 | RES | END | PHY SILICON LT-UNK COPPER LT-UNK ZINC LT-P1 | AQU | END | MUL | PHY IRON LT-P1 | END MANGANESE LT-P1 | END | MUL | REP NICKEL LT-1 | CAN | RES | SKI | MAM | MUL MAGNESIUM LT-UNK | PHY TIN LT-P1 ] | HARDWARE PVC #5 [ POLYVINYL CHLORIDE (PVC) LT-P1 | RES UNDISCLOSED LT-P1 | END UNDISCLOSED LT-UNK CARBON BLACK LT-1 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | PBT | SKI | DEL | MAM | MUL UNDISCLOSED LT-1 | PBT | DEL | MUL UNDISCLOSED LT-P1 | END ] | HARDWARE PVC #1 [ BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED LT-UNK PARAFFIN OIL LT-UNK | RES POLYPROPYLENE**

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

HPD prepared using a Nested Materials Inventory with a product threshold at 1,000 ppm. Garex's doors include a multitude of alternate steel-based materials. It was chosen in this HPD to group all steel doors with the same function regardless of the steel used. Steel-based components are similar and the variation comes from alloying elements and/or surface treatment which both represent small quantities in the overall steel products. More details about how residuals and impurities were considered available in the appropriate sections. Special Conditions materials are present in the product: metal alloy material and reaction and polymer products. Guidelines for reporting Special Conditions materials are still under development by HPDC and the manufacturer will update the HPD accordingly once these guidelines get published.

LT-UNK LIMESTONE; CALCIUM CARBONATE LT-UNK CARBON BLACK  
LT-1 | CAN ] HARDWARE PVC #2 [ POLYVINYL CHLORIDE (PVC) LT-P1 |  
RES DI(2-ETHYLHEXYL)PHTHALATE (DEHP) (PRIMARY CASRN) LT-1 |  
CAN | DEL | END | REP | MUL DIISODECYL PHTHALATE (DIDP) LT-1 | DEL |  
END | MUL | REP | CAN (CARBONATO(2-  
))HEXADECAHYDROXYBIS(ALUMINIUM)HEXAMAGNESIUM LT-P1 | RES  
ALUMINUM LT-P1 | RES | END | PHY QUARTZ LT-1 | CAN ] ADHESIVE [  
PHENOL, POLYMER WITH 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE  
LT-UNK BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-  
BUTADIENE LT-UNK DISTILLATES (PETROLEUM), HYDROTREATED  
(MILD) HEAVY NAPHTHENIC (9CI); LT-1 | PBT | CAN | MUL ] HARDWARE -  
STEEL & NYLON [ IRON LT-P1 | END MANGANESE LT-P1 | END | MUL |  
REP NYLON 6 LT-UNK ] HARDWARE PVC #3 [ POLYVINYL CHLORIDE  
(PVC) LT-P1 | RES UNDISCLOSED LT-1 | CAN | DEL | END | REP | MUL  
UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED  
LT-UNK UNDISCLOSED LT-P1 | CAN UNDISCLOSED LT-P1 | RES  
UNDISCLOSED BM-2 | MAM | CAN UNDISCLOSED LT-P1 | MUL  
UNDISCLOSED LT-1 | CAN ] HARDWARE PVC #6 [ POLYVINYL CHLORIDE  
(PVC) LT-P1 | RES LIMESTONE; CALCIUM CARBONATE LT-UNK TITANIUM  
DIOXIDE LT-1 | CAN | END METHYL METHACRYLATE, COPOLYMER WITH  
BUTYL ACRYLATE LT-UNK 1,2-ETHANEDIYL OCTADECANOATE LT-UNK  
CALCIUM STEARATE LT-UNK PARAFFIN LT-UNK 1,2-  
BIS(OCTADECANAMIDO)ETHANE LT-UNK ] HARDWARE MELTING [ IRON  
LT-P1 | END CARBON LT-UNK SILICON LT-UNK SULFUR LT-UNK | SKI  
MANGANESE LT-P1 | END | MUL | REP PHOSPHORUS BM-2 | MAM | PHY ]

### 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 content: None

### 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: 2018-05-14

PUBLISHED DATE: 2018-06-06

EXPIRY DATE: 2021-05-14



# 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

## PRE-PAINTED SHEET STEEL

#: 29.7100 - 36.6200

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: According to the manufacturer, Lead and Cadmium are present in trace amount, generally inferior to 1 ppm in steel products. These impurities are coming from the sourced iron

OTHER MATERIAL NOTES: Panel door. According to the manufacturer, zinc coating weight can be up to 20w% of total steel weight. Since we do not have specific data, we are using the full range of 0.6% (15 g/m<sup>2</sup> per face) to 20% (500 g/m<sup>2</sup> per face).

### IRON

ID: 7439-89-6

#: 77.5000 - 100.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Main ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

### ZINC

ID: 7440-66-6

#: 0.6000 - 20.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Galvanizing element

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See other material notes

## MANGANESE

ID: 7439-96-5

#: **0.0000 - 1.7800** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See other material notes

## CHROMIUM

ID: 7440-47-3

#: **0.0000 - 1.5200** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See other material notes

## NICKEL

ID: 7440-02-0

#: **0.0000 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to

Class 2 - Hazard to Waters

Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: See other material notes

**POLYESTER**

ID: 113669-95-7

?: 0.0000 - 0.5000

GS: NoGS

RC: None

NANO: No

ROLE: Paint ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**HARDWARE GALVANIZED STEEL #1**

?: 24.4000 - 34.1200

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: According to the manufacturer, Lead and Cadmium are present in trace amount, generally inferior to 1 ppm in steel products. These impurities are coming from the sourced iron ore.

OTHER MATERIAL NOTES: According to the manufacturer, zinc coating weight can be up to 20w% of total steel weight. Since we do not have specific data, we are using the full range of 0.6% (15 g/m<sup>2</sup> per face) to 20% (500 g/m<sup>2</sup> per face).

**IRON**

ID: 7439-89-6

?: 77.5000 - 100.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Main ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See Other material notes

**ZINC**

ID: 7440-66-6

?: 0.6000 - 20.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Galvanizing element

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See other material notes

## MANGANESE

ID: 7439-96-5

#: **0.0000 - 1.7800**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Alloying element**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See Other material notes

## CHROMIUM

ID: 7440-47-3

#: **0.0000 - 0.5200**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See Other material notes

## NICKEL

ID: 7440-02-0

#: **0.0000 - 0.2000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen

CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: See Other material notes

## HARDWARE STEEL

#: 11.6800 - 13.3600

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: According to the manufacturer, Lead and Cadmium are present in trace amount, generally inferior to 1 ppm in steel products. These impurities are coming from the sourced iron ore.

OTHER MATERIAL NOTES: Different pieces of steel hardware

### IRON

ID: 7439-89-6

#: 95.0000 GS: LT-P1 RC: None NANO: No ROLE: Main ingredient

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

### MANGANESE

ID: 7439-96-5

#: 0.0000 - 2.2300 GS: LT-P1 RC: None NANO: No ROLE: Alloying ingredient

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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

REPRODUCTIVE Japan - GHS Toxic to reproduction - Category 1B

**CHROMIUM**

ID: 7440-47-3

#: **0.0000 - 0.6500**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See other material notes

**NICKEL**

ID: 7440-02-0

#: **0.0000 - 0.2500**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: See other material notes



PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Manufacturer has indicated that there are no impurities or residues

OTHER MATERIAL NOTES: Mix of resin and Isocyanate to obtain a rigid foam

**POLYURETHANE FOAMS**

ID: 9009-54-5

%: **96.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Main ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**1,1,1,3,3-PENTAFLUOROPROPANE**

ID: 460-73-1

%: **4.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

GLOBAL WARMING

US EPA - Global Warming Potentials

Global Warming Potential greater than 1,000

GLOBAL WARMING

IPCC - Global Warming Chemicals

Chemicals with Global Warming Potential

SUBSTANCE NOTES: See other material notes

**HARDWARE GALVANIZED STEEL #2**

%: 3.9600 - 7.2200

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information from manufacturer not available

OTHER MATERIAL NOTES: According to the manufacturer, zinc coating weight can be up to 9 w% of total steel weight.

**STEEL**

ID: 12597-69-2

%: **90.0000 - 100.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Main ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other material notes

**IRON**

ID: 7439-89-6

%: **0.0000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Main ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

**ZINC**

ID: 7440-66-6

#: 0.0000 - 9.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Galvanizing element

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See other material notes

**END BLOCK - POLYSTYRENE**

#: 2.3500 - 4.0500

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information from manufacturer not available.

OTHER MATERIAL NOTES: Extruded block from sprayed polystyrene panels.

**POLYSTYRENE**

ID: 9003-53-6

#: 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Main ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**POLYSTYRENE**

ID: 9003-53-6

#: 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Main ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #4**

**%: 0.8600 - 1.0600**

**HPD URL:**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Manufacturer indicated residues of Vinyl chloride monomer for less than 3 ppm.

OTHER MATERIAL NOTES: PVC include on weatherstripping

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

**%: 60.0000 - 90.0000**      **GS: LT-P1**      **RC: None**      **NANO: No**      **ROLE: PVC Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY**

**AOEC - Asthmagens**

**Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

**%: 1.0000 - 10.0000**      **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**

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

**%: 0.1100 - 2.0000**      **GS: LT-P1**      **RC: None**      **NANO: No**      **ROLE: Lubricant & Filler coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE**

**TEDX - Potential Endocrine Disruptors**

**Potential Endocrine Disruptor**

SUBSTANCE NOTES: See Other material notes

**UNDISCLOSED**

#: **0.1000 - 10.0000** 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: See other material notes

**UNDISCLOSED**

#: **0.1000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 0.5000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 1.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Processing Aid**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Thermal Stabilizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Thermal Stabilizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**PBT** OSPAR - Priority PBTs & EDs & equivalent concern PBT - Chemical for Priority Action

**DEVELOPMENTAL** EU - GHS (H-Statements) H361d - Suspected of damaging the unborn child

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

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **0.0100 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE** TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

**HARDWARE ALUMINIUM**

#: **0.5900 - 1.6000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Information from manufacturer not available.**

OTHER MATERIAL NOTES: **Different pieces of aluminum hardware. The composition is a typical average of the A380 alloy.**

**ALUMINUM**

ID: **7429-90-5**

#: **80.2000 - 87.2000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Main ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY** AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

**ENDOCRINE** TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

**PHYSICAL HAZARD (REACTIVE)** EU - GHS (H-Statements) H228 - Flammable solid

**PHYSICAL HAZARD (REACTIVE)** EU - GHS (H-Statements) H250 - Catches fire spontaneously if exposed to air

**PHYSICAL HAZARD (REACTIVE)** EU - GHS (H-Statements) H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: See other material notes

## SILICON

ID: 7440-21-3

#: 7.5000 - 9.5000 GS: LT-UNK RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

## COPPER

ID: 7440-50-8

#: 2.0000 - 4.0000 GS: LT-UNK RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

## ZINC

ID: 7440-66-6

#: 1.0000 - 3.0000 GS: LT-P1 RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See other material notes

## IRON

ID: 7439-89-6

#: 0.9000 - 1.3000 GS: LT-P1 RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

## MANGANESE

ID: 7439-96-5

#: **0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See other material notes

## NICKEL

ID: 7440-02-0

#: **0.5000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

IARC

Group 2b - Possibly carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: See other material notes

## MAGNESIUM

ID: 7439-95-4



GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: See other material notes

**TIN**

ID: 7440-31-5

GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #5**

%: 0.3800 - 0.8200

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Manufacturer indicated residues of Vinyl chloride monomer for less than 4 ppm.

OTHER MATERIAL NOTES: PVC bottom molding

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

GS: **LT-P1** RC: **None** NANO: **No** ROLE: **PVC Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant & Filler coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: See Other material notes

**UNDISCLOSED**

%: **0.1000 - 10.0000**      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: See other material notes

**CARBON BLACK**

ID: 1333-86-4

%: **0.1000 - 3.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Color 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

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

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

%: **0.1000 - 5.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Lubricant**

HAZARDS:      AGENCY(IES) WITH WARNINGS:

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

%: **0.1000 - 5.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Processing aid**

HAZARDS:      AGENCY(IES) WITH WARNINGS:

None Found      No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

%: **0.1000 - 5.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: 0.1000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Lubricant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: 0.1000 - 5.0000

GS: LT-1

RC: None

NANO: No

ROLE: Thermal Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

DEVELOPMENTAL

EU - GHS (H-Statements)

H361d - Suspected of damaging the unborn child

ORGAN TOXICANT

EU - GHS (H-Statements)

H372 - Causes damage to organs through prolonged or repeated exposure

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: 0.1000 - 5.0000

GS: LT-1

RC: None

NANO: No

ROLE: Thermal Stabilizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

DEVELOPMENTAL

EU - GHS (H-Statements)

H361d - Suspected of damaging the unborn child

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

%: **0.0010 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**ENDOCRINE** TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #1**

%: **0.3000 - 0.9100**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Information from manufacturer not available.**

OTHER MATERIAL NOTES: **PVC include on weatherstripping**

**BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED**

ID: **66070-58-4**

%: **30.0000 - 50.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PVC Resin**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**None Found** No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**PARAFFIN OIL**

ID: **8012-95-1**

%: **30.0000 - 50.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**RESPIRATORY** AOEC - Asthmagens Asthmagen (G) - generally accepted

SUBSTANCE NOTES: See other material notes

**POLYPROPYLENE**

ID: **9003-07-0**

%: **20.0000 - 40.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**None Found** No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

%: <b>10.0000 - 20.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
-----------------------------	-------------------	-----------------	-----------------	---------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**CARBON BLACK**

ID: 1333-86-4

%: <b>0.0000 - 1.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Pigment</b>
---------------------------	-----------------	-----------------	-----------------	----------------------

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

CANCER

MAK

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

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #2**

%: 0.3000 - 0.3700

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information from manufacturer not available.

OTHER MATERIAL NOTES: PVC include on weatherstripping

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

%: <b>30.0000 - 40.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>PVC Resin</b>
-----------------------------	------------------	-----------------	-----------------	------------------------

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: See other material notes

**DI(2-ETHYLHEXYL)PHTHALATE (DEHP) (PRIMARY CASRN)**

ID: 117-81-7

%: <b>15.0000 - 20.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Ingredient</b>
-----------------------------	-----------------	-----------------	-----------------	-------------------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Banned unless Authorised
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
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
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they 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
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Candidate List
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REPRODUCTIVE	Malaysia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child
CANCER	Australia - GHS	H350 - May cause cancer
REPRODUCTIVE	Australia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: See other material notes

**DIISODECYL PHTHALATE (DIDP)**

ID: 68515-49-1

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>10.0000 - 20.0000</b>	GS: <b>LT-1</b>	RC: <b>None</b>
		NANO: <b>No</b>
		ROLE: <b>Ingredient</b>
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: See other material notes

**(CARBONATO(2-))HEXADECAHYDROXYBIS(ALUMINIUM)HEXAMAGNESIUM**

ID: 11097-59-9

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0000 - 2.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>
		NANO: <b>No</b>
		ROLE: <b>Ingredient</b>
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: See other material notes

**ALUMINUM**

ID: 7429-90-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
%: <b>0.0000 - 2.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>
		NANO: <b>No</b>
		ROLE: <b>Ingredient</b>
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: See other material notes

## QUARTZ

ID: 14808-60-7

#: 0.0000 - 2.0000 GS: LT-1 RC: None NANO: No ROLE: Ingredient

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 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	H350 - May cause cancer

SUBSTANCE NOTES: See other material notes

## ADHESIVE

#: 0.1000 - 0.1200

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Manufacturer has indicated that there are no impurities or residues

OTHER MATERIAL NOTES: Hot melt for assembly

## PHENOL, POLYMER WITH 2,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-2-ENE

ID: 25359-84-6

#: 40.0000 - 50.0000 GS: LT-UNK RC: None NANO: No ROLE: Tackifier

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

SUBSTANCE NOTES: See other material notes

## BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE

ID: 25038-32-8



%: **20.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Base**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI);**

ID: **64742-52-5**

%: **20.0000 - 30.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Tackifier**

HAZARDS: AGENCY(IES) WITH WARNINGS:

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

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

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

CANCER EU - Annex VI CMRs Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

CANCER Japan - GHS Carcinogenicity - Category 1A

CANCER Australia - GHS H350 - May cause cancer

SUBSTANCE NOTES: See other material notes

**HARDWARE - STEEL & NYLON**

%: **0.0000 - 0.8900**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **According to the manufacturer, Carbon & Sulfur & Phosphorous are present in trace amount, inferior to 0.09% of this hardware**

OTHER MATERIAL NOTES: **Roller made of 90% steel and 10% nylon**

**IRON**

ID: **7439-89-6**

%: **89.3800 - 89.7300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Main ingredient**

HAZARDS: AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

**MANGANESE**

ID: 7439-96-5

#: **0.2700 - 0.4500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE** TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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

**REPRODUCTIVE** Japan - GHS Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See other material notes

**NYLON 6**

ID: 25038-54-4

#: **0.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Belt**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found** No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #3**

#: **0.0000 - 1.2700**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Manufacturer indicated residues of Vinyl chloride monomer for less than 2 ppm.**

OTHER MATERIAL NOTES: **PVC include on weatherstripping**

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

#: **25.0000 - 40.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **PVC Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY** AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **25.0000 - 40.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Plasticizer**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Banned unless Authorised
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Chemical for Priority Action
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
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
REPRODUCTIVE	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
REPRODUCTIVE	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they 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
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Candidate List
REPRODUCTIVE	Korea - GHS	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
REPRODUCTIVE	New Zealand - GHS	6.8A - Known or presumed human reproductive or developmental toxicants
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REPRODUCTIVE	Malaysia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child
CANCER	Australia - GHS	H350 - May cause cancer
REPRODUCTIVE	Australia - GHS	H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

#: **20.0000 - 35.0000** 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: See other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** 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

SUBSTANCE NOTES: See Other material notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Biocide carrier**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Other material Notes

**UNDISCLOSED**

#: **0.1000 - 5.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

**UNDISCLOSED**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: <b>0.1000 - 5.0000</b>	GS: <b>LT-P1</b> RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Pigment</b>
<b>RESPIRATORY</b>	AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: <b>0.1000 - 5.0000</b>	GS: <b>BM-2</b> RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Thermal Stabilizer</b>
<b>MAMMALIAN</b>	EU - GHS (H-Statements) H304 - May be fatal if swallowed and enters airways
<b>CANCER</b>	MAK Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: <b>0.0100 - 0.2000</b>	GS: <b>LT-P1</b> RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Biocide</b>
<b>MULTIPLE</b>	German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SUBSTANCE NOTES: See other material notes

**UNDISCLOSED**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: <b>0.0000 - 3.0000</b>	GS: <b>LT-1</b> RC: <b>None</b> NANO: <b>No</b> ROLE: <b>Pigment</b>
<b>CANCER</b>	US CDC - Occupational Carcinogens Occupational Carcinogen
<b>CANCER</b>	CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route
<b>CANCER</b>	IARC Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
<b>CANCER</b>	MAK Carcinogen Group 3B - Evidence of carcinogenic effects

SUBSTANCE NOTES: See other material notes

**HARDWARE PVC #6**

%: 0.0000 - 0.9500

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Manufacturer indicated residues of Vinyl chloride monomer for less than 0.1 ppm. Furthermore, manufacturer indicated Tin stabilizer & Expoxidized soybean oil also present below the reporting threshold.

OTHER MATERIAL NOTES: PVC top molding

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

%: 70.0000 - 80.0000      GS: LT-P1      RC: None      NANO: No      ROLE: Base polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: See other material notes

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

%: 5.0000 - 10.0000      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: See other material notes

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: 5.0000 - 10.0000      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

SUBSTANCE NOTES: See other material notes

**METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE**

ID: 25852-37-3

%: **4.0000 - 8.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Process aid**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**1,2-ETHANEDIYL OCTADECANOATE**

ID: 627-83-8

%: **1.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**CALCIUM STEARATE**

ID: 1592-23-0

%: **1.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**PARAFFIN**

ID: 8002-74-2

%: **1.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

**1,2-BIS(OCTADECANAMIDO)ETHANE**

ID: 110-30-5

%: **0.2000 - 0.6000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Lubricant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

## HARDWARE MELTING

#: 0.0000 - 0.5000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information from manufacturer not available.

OTHER MATERIAL NOTES: Aluminum Coupling. The composition is a typical average malleable cast iron

### IRON

ID: 7439-89-6

#: 94.2000 - 96.8800 GS: LT-P1 RC: None NANO: No ROLE: Main ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See other material notes

### CARBON

ID: 7440-44-0

#: 2.0000 - 3.0000 GS: LT-UNK RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

### SILICON

ID: 7440-21-3

#: 0.7000 - 1.5000 GS: LT-UNK RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See other material notes

### SULFUR

ID: 7704-34-9

#: 0.1200 GS: LT-UNK RC: None NANO: No ROLE: Alloying ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation



SUBSTANCE NOTES: See other material notes

## MANGANESE

ID: 7439-96-5

#: **0.1000 - 0.3000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See other material notes

## PHOSPHORUS

ID: 7723-14-0

#: **0.0000 - 1.8000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Alloying ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

SUBSTANCE NOTES: See other material 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 CONTENT

None

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **None**

**05-08**

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

-



## MANUFACTURER INFORMATION

---

MANUFACTURER: **Garex Doors**  
ADDRESS: **610, rue Principale**  
**Val-Alain QC G0S 3H0, Canada**  
WEBSITE: **www.garexdoors.com**

CONTACT NAME: **Raymond Coombs**  
TITLE: **Director of Sales**  
PHONE: **418 744-3317 # 2250**  
EMAIL: **rcoombs@garex.ca**

## 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>NoGS</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 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.*