

CLASSIFICATION: 08 11 00

PRODUCT DESCRIPTION: This HPD covers non-insulated steel access doors by Les Industries Cendrex Inc. More specifically, this HPD covers non-insulated steel access doors models : AHA, AHA-GYP, AHA-PLY, AHD, AHD-GYP, AHD-PLY, AHD-SS, CTR, CTR-MAG, DRD, DRD-GYP, DRD-PLY, EDG-GYP, LHD, LHD-GYP, LHD-PLY, MDS, PFN, PFN-GYP, PFN-PLY, PHS, RMD, SFM, FLE. Non-insulated access doors are built in order to access anything that is found behind a wall or a ceiling. Since wall & ceiling surfaces vary immensely, Cendrex's access doors are available in different dimensions and materials to achieve optimal usage efficiency and esthetics. In addition, different options are also complementary to this product.

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 2 of 17 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

COLD ROLLED STEEL [IRON (IRON) LT-P1 | END MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL LEAD (LEAD) LT-1 | MAM | DEL | CAN | PBT | REP | AQU | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY] STAINLESS STEEL [IRON (IRON) LT-P1 | END CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL SILICON (SILICON) LT-UNK MANGANESE (MANGANESE) LT-P1 | END | MUL | REP MOLYBDENUM (MOLYBDENUM) LT-UNK TITANIUM (TITANIUM) LT-UNK COPPER (COPPER) LT-UNK COBALT (COBALT) LT-1 | RES | CAN | SKI | MUL | GEN] SATIN COAT STEEL [IRON (IRON) LT-P1 | END ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL LEAD (LEAD) LT-1 | MAM | DEL | CAN | PBT | REP | AQU | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY] FRAME - GALVANIZED STEEL [IRON (IRON) LT-P1 | END ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL LEAD (LEAD) LT-1 | MAM | DEL | CAN | PBT | REP | AQU | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY] PLASTIC CORNER [NYLON 6 (NYLON 6)

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. Cendrex's doors include a multitude of alternate steel-based materials. It was chosen in this HPD to group all steel access 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 CAPROLACTAM (CAPROLACTAM) LT-UNK | SKI | EYE CARBON BLACK (CARBON BLACK) LT-1 | CAN ZINC STEARATE (ZINC STEARATE) LT-P1] HARDWARE/HINGE CR [STEEL NoGS] SCREW DRIVER CAM LATCH [STEEL NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY IRON (IRON) LT-P1 | END] CORNER BEAD (GYP) & PLASTER FLANGE (PLY) [IRON (IRON) LT-P1 | END ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL LEAD (LEAD) LT-1 | MAM | DEL | CAN | PBT | REP | AQU | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY] HARDWARE/BUTT HINGE PHS [STEEL NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY IRON (IRON) LT-P1 | END] HARDWARE/MAGNET [IRON (IRON) LT-P1 | END NEODYMIUM (NEODYMIUM) LT-UNK GALLIUM (GALLIUM) LT-UNK BORON (BORON) LT-UNK ALUMINUM (ALUMINUM) LT-P1 | RES | PHY | END COPPER (COPPER) LT-UNK] HARDWARE/HINGE SS [STAINLESS STEEL (STAINLESS STEEL) NoGS] HARDWARE/SPRING [IRON (IRON) LT-P1 | END CARBON (CARBON) LT-UNK MANGANESE (MANGANESE) LT-P1 | END | MUL | REP SILICON (SILICON) LT-UNK COPPER (COPPER) LT-UNK CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL] POWDER COAT [UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN | END UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED BM-3 UNDISCLOSED LT-UNK UNDISCLOSED LT-1 | CAN UNDISCLOSED BM-2 | CAN] COLD ROLLED STEEL - DOOR PANEL [IRON (IRON) LT-P1 | END MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END | SKI NICKEL (NICKEL) LT-1 | CAN | RES | SKI | MAM | MUL LEAD (LEAD) LT-1 | MAM | DEL | CAN | PBT | REP | AQU | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | CAN | DEL | PBT | REP | AQU | MAM | GEN | MUL | END | PHY] HARDWARE/SLAM LATCH LOCK [STEEL NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY IRON (IRON) LT-P1 | END] HARDWARE/SAFETY CABLE (FTE) [THERMOPLASTIC ELASTOMER NoGS STYRENE BUTADIENE RUBBER (SBR) LT-UNK] BRACKET COLD ROLLED [STEEL NoGS]

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: CDPH Standard Method - Not tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Vertima

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-02-27

PUBLISHED DATE: 2019-05-22

EXPIRY DATE: 2021-02-27



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

COLD ROLLED STEEL

#: 0.00 - 97.50

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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: Cold rolled Steel panel

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 95.00

GS: LT-P1

RC: None

NANO: No

ROLE: Main element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See Other Materials Notes.

MANGANESE (MANGANESE)

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 0.00 - 2.23

GS: LT-P1

RC: None

NANO: No

ROLE: Alloying element

HAZARD TYPE

AGENCY AND LIST TITLES

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 Materials Notes.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 0.00 - 0.65

GS: LT-P1

RC: None

NANO: No

ROLE: Alloying element

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

NICKEL (NICKEL)

ID: 7440-02-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 0.00 - 0.03

GS: LT-1

RC: None

NANO: No

ROLE: Alloying element

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

LEAD (LEAD)

ID: 7439-92-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: Impurity/Residual

GS: LT-1

RC: None

NANO: No

ROLE: Impurity/Residual

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|---|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| DEVELOPMENTAL | EU - R-phrases | R61 - May cause harm to the unborn child |
| 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 | Reproductive Toxicity - Female |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 - GHS (H-Statements) | H360FD - May damage fertility. May damage the unborn child |
| DEVELOPMENTAL | EU - GHS (H-Statements) | H362 - May cause harm to breast-fed children |
| 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 |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |

| | | |
|---------------|--------------------|--|
| 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 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| REPRODUCTIVE | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

CADMIUM (CADMIUM)

ID: 7440-43-9

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|----------------|--|--|
| 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 |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

STAINLESS STEEL

%: 0.00 - 97.50

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Galvanized steel sheet panel

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

%: 68.50 - 87.00

GS: LT-P1

RC: None

NANO: No

ROLE: Main element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See Other Materials Notes.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

%: **11.50 - 26.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****NICKEL (NICKEL)**ID: **7440-02-0**%: **1.50 - 37.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****SILICON (SILICON)**ID: **7440-21-3**

#: **0.00 - 2.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

MANGANESE (MANGANESE)

ID: 7439-96-5

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 2.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE AGENCY AND LIST TITLES 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 Materials Notes.

MOLYBDENUM (MOLYBDENUM)

ID: 7439-98-7

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

TITANIUM (TITANIUM)

ID: 7440-32-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 0.70** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

COPPER (COPPER)

ID: 7440-50-8

%: **0.00 - 0.60**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **See Other Materials Notes.****COBALT (COBALT)**ID: **7440-48-4**%: **0.00 - 0.60**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY**AOEC - Asthmagens****Asthmagen (G) - generally accepted****CANCER****IARC****Group 2b - Possibly carcinogenic to humans****CANCER****CA EPA - Prop 65****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****RESPIRATORY****EU - GHS (H-Statements)****H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled****MULTIPLE****German FEA - Substances Hazardous to Waters****Class 3 - Severe Hazard to Waters****CANCER****MAK****Carcinogen Group 2 - Considered to be carcinogenic for man****RESPIRATORY****MAK****Sensitizing Substance Sah - Danger of airway & skin sensitization****GENE MUTATION****MAK****Germ Cell Mutagen 3a**SUBSTANCE NOTES: **See Other Materials Notes.****SATIN COAT STEEL**%: **0.00 - 97.50**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: **Satin coat Steel sheet panel**

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------|------------------|-----------------|-----------------|---------------------------|
| #: 88.40 | GS: LT-P1 | RC: None | NANO: No | ROLE: Main element |
|-----------------|------------------|-----------------|-----------------|---------------------------|

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE**TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor**SUBSTANCE NOTES: **See Other Materials Notes.****ZINC (ZINC)**

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|----------------|------------------|-----------------|-----------------|----------------------------------|
| #: 8.80 | GS: LT-P1 | RC: None | NANO: No | ROLE: Galvanizing element |
|----------------|------------------|-----------------|-----------------|----------------------------------|

HAZARD TYPE

AGENCY AND LIST TITLES

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. 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/m² per face) to 20% (500 g/m² per face).****MANGANESE (MANGANESE)**

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|
| #: 0.00 - 2.23 | GS: LT-P1 | RC: None | NANO: No | ROLE: Alloying element |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|

HAZARD TYPE

AGENCY AND LIST TITLES

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 Materials Notes.**

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 0.65**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****NICKEL (NICKEL)**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 0.03**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****LEAD (LEAD)**

ID: 7439-92-1

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

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|---|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| DEVELOPMENTAL | EU - R-phrases | R61 - May cause harm to the unborn child |
| 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 | Reproductive Toxicity - Female |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 - GHS (H-Statements) | H360FD - May damage fertility. May damage the unborn child |
| DEVELOPMENTAL | EU - GHS (H-Statements) | H362 - May cause harm to breast-fed children |
| 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 |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| 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 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| REPRODUCTIVE | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

CADMIUM (CADMIUM)

ID: 7440-43-9

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|--|
| 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 |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

FRAME - GALVANIZED STEEL

%: 0.00 - 13.80

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

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: Galvanized Steel component for FLE door

IRON (IRON)

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

%: 88.40

GS: LT-P1

RC: None

NANO: No

ROLE: Main element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

ZINC (ZINC)

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|----------------|------------------|-----------------|-----------------|----------------------------------|
| #: 8.80 | GS: LT-P1 | RC: None | NANO: No | ROLE: Galvanizing element |
|----------------|------------------|-----------------|-----------------|----------------------------------|

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials 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/m² per face) to 20% (500 g/m² per face).

MANGANESE (MANGANESE)

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|
| #: 0.00 - 2.23 | GS: LT-P1 | RC: None | NANO: No | ROLE: Alloying element |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|
| #: 0.00 - 0.65 | GS: LT-P1 | RC: None | NANO: No | ROLE: Alloying element |
|-----------------------|------------------|-----------------|-----------------|-------------------------------|

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

NICKEL (NICKEL)

ID: 7440-02-0

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 0.03**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

LEAD (LEAD)

ID: 7439-92-1

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|---|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| DEVELOPMENTAL | EU - R-phrases | R61 - May cause harm to the unborn child |
| 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 | Reproductive Toxicity - Female |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 - GHS (H-Statements) | H360FD - May damage fertility. May damage the unborn child |
| DEVELOPMENTAL | EU - GHS (H-Statements) | H362 - May cause harm to breast-fed children |
| 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 |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |

| | | |
|---------------|--------------------|--|
| 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 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| REPRODUCTIVE | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |

SUBSTANCE 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.

CADMIUM (CADMIUM)

ID: 7440-43-9

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|----------------|--|--|
| 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 |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |

| | | |
|----------------------------|---|--|
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE 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.

PLASTIC CORNER

#: 0.00 - 3.80

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Component for FLE door

NYLON 6 (NYLON 6)

ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 90.00 - 100.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Main element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

CAPROLACTAM (CAPROLACTAM)

ID: 105-60-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|-------------------|-----------------|-----------------|-------------------------|
| %: 0.00 - 5.00 | GS: LT-UNK | RC: None | NANO: No | ROLE: Ingredient |
|-----------------------|-------------------|-----------------|-----------------|-------------------------|

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SUBSTANCE NOTES: **See Other Materials Notes.****CARBON BLACK (CARBON BLACK)**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|-----------------|-----------------|-----------------|-------------------------|
| %: 0.00 - 0.50 | GS: LT-1 | RC: None | NANO: No | ROLE: 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

CANCER

MAK

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

SUBSTANCE NOTES: **See Other Materials Notes.****ZINC STEARATE (ZINC STEARATE)**

ID: 557-05-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-----------------------|------------------|-----------------|-----------------|-------------------------|
| %: 0.00 - 0.70 | GS: LT-P1 | RC: None | NANO: No | ROLE: Ingredient |
|-----------------------|------------------|-----------------|-----------------|-------------------------|

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **See Other Materials Notes.****HARDWARE/HINGE CR**%: **0.00 - 2.00**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Hardware option

STEEL

ID: 12597-69-2

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

HAZARD SCREENING DATE: **2018-02-27**

#: **100.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Main element**

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

SUBSTANCE NOTES: Information from manufacturer not available.

SCREW DRIVER CAM LATCH

#: **0.00 - 2.00**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Galvanized Steel Screw driver cam latch

STEEL

ID: 12597-69-2

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

HAZARD SCREENING DATE: **2018-02-27**

#: **90.00 - 100.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Main element**

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

SUBSTANCE NOTES: See Other Materials Notes.

ZINC (ZINC)

ID: 7440-66-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 9.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Galvanizing element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

IRON (IRON)

ID: 7439-89-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 1.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Galvanizing element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: See Other Materials Notes.

CORNER BEAD (GYP) & PLASTER FLANGE (PLY)

#: **0.00 - 2.00**

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: Galvanized Steel component for GYP & PLY door

IRON (IRON)

ID: 7439-89-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **77.50 - 100.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Main element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: See Other Materials Notes.

ZINC (ZINC)

ID: 7440-66-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.60 - 20.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Galvanizing element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials 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/m² per face) to 20% (500 g/m² per face).

MANGANESE (MANGANESE)

ID: 7439-96-5

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 1.80** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

CHROMIUM (CHROMIUM)

ID: 7440-47-3

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 0.50** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

NICKEL (NICKEL)

ID: 7440-02-0

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.00 - 0.20**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

LEAD (LEAD)

ID: 7439-92-1

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Impurity/Residual**

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

| | | |
|---------------|--|---|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| DEVELOPMENTAL | EU - R-phrases | R61 - May cause harm to the unborn child |
| 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 | Reproductive Toxicity - Female |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 - GHS (H-Statements) | H360FD - May damage fertility. May damage the unborn child |
| DEVELOPMENTAL | EU - GHS (H-Statements) | H362 - May cause harm to breast-fed children |
| 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 |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| 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 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| REPRODUCTIVE | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |

SUBSTANCE 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.

CADMIUM (CADMIUM)

ID: 7440-43-9

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|----------------|--|--|
| 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 |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |
| 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 |

| | | |
|----------------------------|---|--|
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE 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.

HARDWARE/BUTT HINGE PHS

%: 0.00 - 2.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Galvanized Steel butt Hinge

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **90.00 - 100.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Main element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **See Other Materials Notes.****ZINC (ZINC)**

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 9.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Galvanizing element**

HAZARD TYPE

AGENCY AND LIST TITLES

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 Materials Notes.****IRON (IRON)**

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Galvanizing element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **See Other Materials Notes.****HARDWARE/MAGNET**%: **0.00 - 1.90**

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Magnet option

IRON (IRON)

ID: 7439-89-6

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

HAZARD SCREENING DATE: **2018-02-27**

#: **64.50** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Main element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: See Other Materials Notes.

NEODYMIUM (NEODYMIUM)

ID: 7440-00-8

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

HAZARD SCREENING DATE: **2018-02-27**

#: **30.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

GALLIUM (GALLIUM)

ID: 7440-55-3

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

HAZARD SCREENING DATE: **2018-02-27**

#: **2.50** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

BORON (BORON)

ID: 7440-42-8

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

HAZARD SCREENING DATE: **2018-02-27**

#: **1.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

ALUMINUM (ALUMINUM)

ID: 7429-90-5

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

HAZARD SCREENING DATE: **2018-02-27**

%: **0.90** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|----------------------------|---------------------------------------|---|
| RESPIRATORY | AOEC - Asthmagens | Asthmagen (ARs) - sensitizer-induced - inhalable forms only |
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES: **See Other Materials Notes.**

COPPER (COPPER)

ID: 7440-50-8

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

HAZARD SCREENING DATE: **2018-02-27**

%: **0.20** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Alloying element**

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

SUBSTANCE NOTES: **See Other Materials Notes.**

HARDWARE/HINGE SS

%: **0.00 - 1.50**

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **Information not given by manufacturer.**

OTHER MATERIAL NOTES: **Stainless Steel hardware**

STAINLESS STEEL (STAINLESS STEEL)

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 1.50**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Main material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **See Other Materials Notes.****HARDWARE/SPRING**%: **0.00 - 1.00**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**RESIDUALS AND IMPURITIES NOTES: **The manufacturer has to indicate the presence of the following substances having less than 0.02% of the total mass of the spring: Sulfur, Phosphorus, Molybdenum, Tin and Nitrogen**OTHER MATERIAL NOTES: **Steel carbon spring****IRON (IRON)**

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **98.30**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Main element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **See Other Materials Notes.****CARBON (CARBON)**

ID: 7440-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.82**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **See Other Materials Notes.****MANGANESE (MANGANESE)**

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.54**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.

SILICON (SILICON)

ID: 7440-21-3

| | | | | |
|---|--|-----------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2018-02-27 | | | |
| %: 0.20 | GS: LT-UNK | RC: None | NANO: No | ROLE: Alloying element |

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

SUBSTANCE NOTES: See Other Materials Notes.

COPPER (COPPER)

ID: 7440-50-8

| | | | | |
|---|--|-----------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2018-02-27 | | | |
| %: 0.05 | GS: LT-UNK | RC: None | NANO: No | ROLE: Alloying element |

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

SUBSTANCE NOTES: See Other Materials Notes.

CADMIUM (CADMIUM)

ID: 7440-43-9

| | | | | |
|---|--|-----------------|-----------------|-------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | HAZARD SCREENING DATE: 2018-02-27 | | | |
| %: 0.04 | GS: LT-1 | RC: None | NANO: No | ROLE: Alloying element |

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

| | | |
|----------------------------|--|--|
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE NOTES: See Other Materials Notes.

NICKEL (NICKEL)

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|----------------|-----------------|-----------------|-----------------|-------------------------------|
| %: 0.02 | GS: LT-1 | RC: None | NANO: No | ROLE: Alloying element |
|----------------|-----------------|-----------------|-----------------|-------------------------------|

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****POWDER COAT**%: **0.00 - 1.40**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**RESIDUALS AND IMPURITIES NOTES: **Information not given by manufacturer.**OTHER MATERIAL NOTES: **Mixture of synthetic resins and pigments for coating door.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**

| | | | | |
|-------------------------|-------------------|-----------------|-----------------|---------------------------|
| %: 45.00 - 55.00 | GS: LT-UNK | RC: None | NANO: No | ROLE: Base polymer |
|-------------------------|-------------------|-----------------|-----------------|---------------------------|

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

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2018-02-27**

#: **35.00 - 45.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

| 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: Please refer to other material notes.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2018-02-27**

#: **5.00 - 7.00** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Additive**

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

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

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

HAZARD SCREENING DATE: **2018-02-27**

#: **0.10 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Polymer**

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

SUBSTANCE NOTES: Please refer to other material notes.

UNDISCLOSED

%: **0.10 - 0.50**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes.****UNDISCLOSED**%: **0.01 - 0.50**GS: **BM-3**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes.****UNDISCLOSED**%: **0.01 - 0.05**GS: **LT-UNK**RC: **UNK**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Please refer to other material notes.****UNDISCLOSED**%: **0.00 - 0.01**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment**

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****CANCER****MAK****Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**SUBSTANCE NOTES: **Please refer to other material notes.**

UNDISCLOSED

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

HAZARD SCREENING DATE: **2018-02-27**

?: **0.00 - 0.01**

GS: **BM-2**

RC: **UNK**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

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

SUBSTANCE NOTES: **Please refer to other material notes.**

COLD ROLLED STEEL - DOOR PANEL

?: **0.00 - 74.50**

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: **Cold rooled Steel panel for FLE door**

IRON (IRON)

ID: **7439-89-6**

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

HAZARD SCREENING DATE: **2018-02-27**

?: **95.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Main element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **See Other Materials Notes.**

MANGANESE (MANGANESE)

ID: **7439-96-5**

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

HAZARD SCREENING DATE: **2018-02-27**

?: **0.00 - 2.23**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Alloying element**

HAZARD TYPE

AGENCY AND LIST TITLES

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 Materials Notes.**

CHROMIUM (CHROMIUM)

ID: 7440-47-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 0.65**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****NICKEL (NICKEL)**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 0.03**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Alloying element**

| HAZARD TYPE | AGENCY AND LIST TITLES | 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 Materials Notes.****LEAD (LEAD)**

ID: 7439-92-1

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

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|---|
| MAMMALIAN | EU - R-phrases | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| DEVELOPMENTAL | EU - R-phrases | R61 - May cause harm to the unborn child |
| 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 | Reproductive Toxicity - Female |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 - GHS (H-Statements) | H360FD - May damage fertility. May damage the unborn child |
| DEVELOPMENTAL | EU - GHS (H-Statements) | H362 - May cause harm to breast-fed children |
| 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 |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| 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 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| REPRODUCTIVE | EU - Annex VI CMRs | Reproductive Toxicity - Category 1A |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

CADMIUM (CADMIUM)

ID: 7440-43-9

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

HAZARD SCREENING DATE: **2018-02-27**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---------------|--|--|
| 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 |
| REPRODUCTIVE | CA EPA - Prop 65 | Reproductive 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 |
| 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 |
| 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 |
| ENDOCRINE | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MULTIPLE | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | Korea - GHS | Carcinogenicity - Category 1 [H350 - May cause cancer] |
| CANCER | EU - Annex VI CMRs | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence |
| GENE MUTATION | New Zealand - GHS | 6.6A - Known or presumed human mutagens |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| REPRODUCTIVE | New Zealand - GHS | 6.8A - Known or presumed human reproductive or developmental toxicants |
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| GENE MUTATION | MAK | Germ Cell Mutagen 3a |
| CANCER | Malaysia - GHS | H350 - May cause cancer |
| CANCER | Australia - GHS | H350 - May cause cancer |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air |

SUBSTANCE NOTES: See Residuals and Impurities Notes.

HARDWARE/SLAM LATCH LOCK

#: 0.00 - 2.00

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Galvanized Steel lock

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **90.00 - 100.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Main element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **See Other Materials Notes.****ZINC (ZINC)**

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 9.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Galvanizing element**

HAZARD TYPE

AGENCY AND LIST TITLES

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 Materials Notes.****IRON (IRON)**

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-27**%: **0.00 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Galvanizing element**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **See Other Materials Notes.****HARDWARE/SAFETY CABLE (FTE)**%: **0.00 - 0.80**PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer. However, the manufacturer has indicated a negligible amount of coloring agent.

OTHER MATERIAL NOTES: Component for FLE door.

THERMOPLASTIC ELASTOMER

ID: 308079-71-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 50.00

GS: NoGS

RC: None

NANO: No

ROLE: Ingredient

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 50.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Ingredient

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: See Other Materials Notes.

BRACKET COLD ROLLED

#: 0.00 - 3.80

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Information not given by manufacturer.

OTHER MATERIAL NOTES: Component for FLE door

STEEL

ID: 12597-69-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-27

#: 100.00

GS: NoGS

RC: None

NANO: No

ROLE: Main material

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Component for FLE door

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

CDPH Standard Method - Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: -

02-27

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.

MUD TAPE PLASTER GYPSUM

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The following list of accessories & components may be required for some listed products. Fasteners Mud Tape Plaster Gypsum

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: **LES INDUSTRIES CENDREX INC**
 ADDRESS: **11303, 26e avenue**
Montreal QC H1E 6N6, Canada
 WEBSITE: **www.cendrex.com/index.php**

CONTACT NAME: **Service à la clientèle (SAC)**
 TITLE: **SAC**
 PHONE: **5144931489**
 EMAIL: **sac@cendrex.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 | 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) | LT-1 List Translator Likely Benchmark 1 |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS Unknown (no data on List Translator Lists) |
| BM-U 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.