

HPD UNIQUE IDENTIFIER: 24897

CLASSIFICATION: 08 13 00 Metal Doors

PRODUCT DESCRIPTION: Steel door with vertical stiffeners for which the voids are filled with polyurethane, polystyrene or mineral wool insulation. Available in multiple colors.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	Considered in 9 of 9 Materials	<i>% weight and role provided for all substances except SC substances characterized according to SC guidance.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other		<i>All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.</i>
<input checked="" type="radio"/> Product			Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

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**

**GALVANNEAL STEEL [ ASTM A653 CS TYPE B STEEL NoGS IRON, ELEMENTAL LT-P1 | END ZINC, ELEMENTAL LT-P1 | AQU | END | MUL | PHY ] PHENOLIC RESIN [ UNDISCLOSED LT-P1 UNDISCLOSED LT-UNK | CAN | MUL | RES | SKI | EYE PROPRIETARY INGREDIENT R3 LT-P1 | MUL UNDISCLOSED LT-P1 | MUL ] SOLDER [ COPPER LT-P1 | AQU ZINC, ELEMENTAL LT-P1 | AQU | END | MUL | PHY ALUMINUM BM-1 | END | RES | PHY IRON, ELEMENTAL LT-P1 | END LEAD BM-1 | END | PBT | REP | MUL | CAN | DEV | GEN MANGANESE LT-P1 | END | MUL | REP NICKEL LT-1 | CAN | RES | MAM | MUL | SKI SILICON, ELEMENTAL LT-UNK TIN LT-UNK ] PRIMER [ UNDISCLOSED NoGS UNDISCLOSED BM-4 TALC BM-1 | CAN ETHYLENE GLYCOL MONO-N-BUTYL ETHER BM-2 | END | SKI | EYE TITANIUM DIOXIDE LT-1 | CAN | END ] POWDER COATING [ UNDISCLOSED NoGS UNDISCLOSED NoGS PHTHALOCYANINE GREEN LT-UNK CI 77346 LT-1 | RES | CAN | GEN TITANIUM DIOXIDE LT-1 | CAN | END BISMUTH VANADIUM TETRAOXIDE BM-1 | MUL PIGMENT BLUE 15 BM-3 FERRIC OXIDE, YELLOW LT-UNK ULTRAMARINE (PIGMENT) LT-UNK CHROME RUTILE YELLOW BM-1 BARIUM SULFATE BM-2 | CAN UNDISCLOSED NoGS ] FIBERGLASS INSULATION [ FIBERGLASS LT-UNK UREA, POLYMER WITH FORMALDEHYDE, PHENOL AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE LT-UNK UREA, POLYMER WITH FORMALDEHYDE AND PHENOL LT-UNK PHENOL-FORMALDEHYDE RESIN LT-P1 | RES ] URETHANE [ 4,4'-DIPHENYLMETHANE DIISOCYANATE LT-UNK | CAN | MUL | RES | SKI | EYE 1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED LT-UNK CELLULOSE, MICROCRYSTALLINE LT-UNK | RES TRIS(2-CHLOROISOPROPYL) PHOSPHATE BM-U | END | MUL | PBT FIBERGLASS LT-UNK ISOPENTANE LT-P1 | AQU | MUL | MAM | PHY CYCLOPENTANE LT-UNK | PHY ] HONEYCOMB CARDBOARD [ SC:WOOD FIBER Not Screened UNDISCLOSED BM-4 ] EXPANDED**

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: BiologicalMaterial

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

This HPD is build with a Nested Inventory and a product threshold of 1000 ppm. All substances at or above the product threshold are included. The steel alloy does not have a Chemical Abstract Service Registration Number (CAS RN); hence, steel has been identified by using the reference ASTM standard and steel grade. When entering information for the steel alloy, the Special Condition for Metal Alloys was followed (SCMetalAlloy/2020-08-06). Note that the characteristics, including hazards, of the alloy are different from those of the individual alloying elements. Green screen score of the individual alloying elements are reported in the General Notes section of the HPD. Some substances are not identified by name and identifier as they are proprietary.

**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 V1.2 (Section 01350/CHPS) - 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: 2021-05-25

PUBLISHED DATE: 2021-05-25

EXPIRY DATE: 2024-05-25

*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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)*

**GALVANNEAL STEEL**

**%: 92.9000 - 93.1000**

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: The steel is passivated. The role of passivation is to provide protection during handling, transport and storage. This coating generally lasts about six weeks before it is consumed; thus, any remaining trace of passivation is considered below the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage. This material includes the steel sheet and the vertical stiffeners.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:41**%: **90.0000 - 100.0000** GS: **NoGS** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES: The galvaneal coating can make up to 10wt.% of the steel; hence, the range of weight percentage for the steel. In compliance with HPDC Special Conditions Policy for Metal Alloys, the listed alloy is considered the ingredient in this product, and is reported without information regarding its alloying elements. Metal alloys have different intrinsic characteristics, including health and environmental hazards, than their alloying elements. Alloying element content inventory and their GreenScreen scores are available in Section 5 (General Notes) of this HPD.

**IRON, ELEMENTAL**

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:59**%: **0.0000 - 1.1000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: The galvaneal coating is made of zinc and iron and can make up 10 wt.% of the total steel; hence, the range of weight percentage.

**ZINC, ELEMENTAL**

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:00**%: **0.0000 - 9.1000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHY	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHY	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: The galvaneal coating is made of zinc and iron and can make up 10 wt.% of the total steel; hence, the range of weight percentage.

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The material does not contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:42**%: **60.0000 - 70.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Monomer**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover variation in production and add a level of confidentiality.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:46**%: **20.0000 - 30.0000**GS: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight ranges are used to cover variation in production and add a level of confidentiality.

**PROPRIETARY INGREDIENT R3**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:50**%: **1.0000 - 10.0000**GS: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover production variation and add confidentiality.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:51**

#: **1.0000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover production variation and add confidentiality.

**SOLDER**

#: **0.1000 - 0.2000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: The material does not contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage. Solder is a bronze alloy and it is presented according to its individual alloying elements.

**COPPER**

ID: **7440-50-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:43**

#: **46.0000 - 97.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

**ZINC, ELEMENTAL**

ID: **7440-66-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-03-15 10:18:49**

#: **0.0000 - 45.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHY	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHY	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

## ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:00**

#: **0.0000 - 12.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
PHY	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases
PHY	EU - GHS (H-Statements)	H228 - Flammable solid

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

## IRON, ELEMENTAL

ID: 7439-89-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:01**

#: **0.0000 - 6.5000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

## LEAD

ID: 7439-92-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:02**

#: **0.0000 - 5.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list

REP	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
PBT	OR DEQ - Priority Persistent Pollutants	Priority Persistent Pollutant - Tier 1
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
DEV	G&L - Neurotoxic Chemicals	Developmental Neurotoxicant
CAN	US EPA - IRIS Carcinogens	(1986) Group B2 - Probable human Carcinogen
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
DEV	CA EPA - Prop 65	Developmental toxicity
PBT	US EPA - Priority PBTs (NWMP)	Priority PBT
PBT	WA DoE - PBT	PBT
PBT	US EPA - Toxics Release Inventory PBTs	PBT
DEV	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REP	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1A
GEN	MAK	Germ Cell Mutagen 3a
REP	CA EPA - Prop 65	Reproductive Toxicity - Female
REP	CA EPA - Prop 65	Reproductive Toxicity - Male
DEV	EU - GHS (H-Statements)	H362 - May cause harm to breast-fed children
REP	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
CAN	GHS - Korea	Carcinogenicity - Category 1 [H350 - May cause cancer]
REP	GHS - Korea	Reproductive toxicity - Category 1 [H360 - May damage fertility or the unborn child]
DEV	GHS - Australia	H360Df - May damage the unborn child. Suspected of damaging fertility
REP	GHS - Japan	Toxic to reproduction - Category 1A [H360]

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

## MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:03**



%: 0.0000 - 14.0000

GS: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

**NICKEL**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:03**

%: 0.0000 - 32.0000

GS: LT-1

RC: UNK

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
MAM	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

**SILICON, ELEMENTAL**

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:04**

%: 0.0000 - 3.5000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Alloy element

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

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:10:04**%: **0.0000 - 5.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: A range of weight percentage is used to cover variation in composition and add a level of confidentiality.

**PRIMER**%: **0.0000 - 2.0000**PRODUCT THRESHOLD: **1000 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: The material does not contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:44**%: **30.0000 - 48.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. A range of weight percentage is used to maintain an additional level of confidentiality.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:45**%: **20.0000 - 33.0000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. A range of weight percentage is used to maintain an additional level of confidentiality.

**TALC**ID: **14807-96-6**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:47**%: **8.0000 - 26.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES: A weight range is used to maintain a level of confidentiality.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:49**%: **2.0000 - 18.0000** GS: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: A weight range is used to maintain a level of confidentiality.

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:50**%: **1.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: A weight range is used to maintain a level of confidentiality.

**POWDER COATING**%: **0.0000 - 1.5000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The material does not contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:43**%: **45.0000 - 65.0000** GS: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover all powder paint colors.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:58**%: **0.0000 - 7.0000** GS: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover all powder paint colors.

**PHTHALOCYANINE GREEN**ID: **1328-53-6**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:56**%: **0.0000 - 8.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**CI 77346**ID: **1345-16-0**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:52**%: **0.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GEN	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**TITANIUM DIOXIDE**ID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:53**%: **0.0000 - 30.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

### BISMUTH VANADIUM TETRAOXIDE

ID: 14059-33-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:53**

#: **0.0000 - 13.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

### PIGMENT BLUE 15

ID: 147-14-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:55**

#: **0.0000 - 10.0000** GS: **BM-3** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

### FERRIC OXIDE, YELLOW

ID: 51274-00-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:55**

#: **0.0000 - 7.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**ULTRAMARINE (PIGMENT)**

ID: 57455-37-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-05-25 14:09:56%: 0.0000 - 10.0000 GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**CHROME RUTILE YELLOW**

ID: 68186-90-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-05-25 14:09:56%: 0.0000 - 10.0000 GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**BARIUM SULFATE**

ID: 7727-43-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-05-25 14:09:57%: 0.0000 - 25.0000 GS: **BM-2** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Filler**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover all powder paint colors.

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-05-25 14:09:57%: 0.0000 - 6.0000 GS: **NoGS** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover all powder paint colors.

**FIBERGLASS INSULATION**

%: 0.0000 - 5.6000

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Glass**

RESIDUALS AND IMPURITIES NOTES: The material contains no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**FIBERGLASS**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:42**%: **80.0000 - 90.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

**UREA, POLYMER WITH FORMALDEHYDE, PHENOL AND 1,3,5-TRIAZINE-2,4,6-TRIAMINE**

ID: 25212-25-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:48**%: **5.0000 - 10.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality. The resin has been cured.

**UREA, POLYMER WITH FORMALDEHYDE AND PHENOL**

ID: 25104-55-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:48**%: **5.0000 - 10.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Binder**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality. The resin has been cured.

**PHENOL-FORMALDEHYDE RESIN**

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:51**%: **0.0000 - 5.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality. The resin has been cured.

**URETHANE**%: **0.0000 - 5.5000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: This material contains no residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

#### 4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:44**

#: **40.0000 - 45.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

#### 1,2-PROPYLENEGLYCOL, ETHOXYLATED AND PROPOXYLATED

ID: 53637-25-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:45**

#: **20.0000 - 25.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Intermediate**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

#### CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:46**

#: **16.0000 - 19.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Biological material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

#### TRIS(2-CHLOROISOPROPYL) PHOSPHATE

ID: 13674-84-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:49**



%: 2.0000 - 5.0000

GS: BM-U

RC: UNK

NANO: No

SUBSTANCE ROLE: Flame retardant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - ongoing chemical (risk) assessment
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

**FIBERGLASS**

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-25 14:09:52

%: 0.0000 - 2.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Abrasion resistance

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

**ISOPENTANE**

ID: 78-78-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-25 14:09:54

%: 0.0000 - 5.0000

GS: LT-P1

RC: UNK

NANO: No

SUBSTANCE ROLE: Blowing agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MAM	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
PHY	EU - GHS (H-Statements)	H224 - Extremely flammable liquid and vapour

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

**CYCLOPENTANE**

ID: 287-92-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-05-25 14:09:54

%: 0.0000 - 5.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Blowing agent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHY	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and add a level of confidentiality.

**HONEYCOMB CARDBOARD**

%: 0.0000 - 0.3000

RESIDUALS AND IMPURITIES NOTES: The material does not contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**SC:WOOD FIBER**

ID: **SC:Bio**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

%: **90.0000 - 95.0000** GS: **Not Screened** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:

Version: SCBioMats/2018-02-23

Category: Tree-based materials

Identifier: CAS RN: 9004-34-6

This disclosure does not provide information on allergens, hyper-accumulation of metals, production of any toxic substances during normal metabolic activities, pesticides, and other potential hazards or sources of hazards which may be found in certain biological materials.

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:47**

%: **5.0000 - 9.5000** GS: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

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

SUBSTANCE NOTES: This substance is undisclosed as it is proprietary. Weight percentage interval is used to cover production variation and add confidentiality.

**EXPANDED POLYSTYRENE**

%: **0.0000 - 2.8000**

RESIDUALS AND IMPURITIES NOTES: The materials doesn't contain residuals or impurities at or above the declaration threshold.

OTHER MATERIAL NOTES: The steel door is available as is or painted and with various insulating materials; hence, the range of weight percentage.

**POLYSTYRENE**

ID: 9003-53-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:41**%: **92.6000 - 100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Monomer**

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

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and maintain a level of confidentiality.

**PENTANE**

ID: 109-66-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-25 14:09:48**%: **3.0000 - 8.0000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Blowing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MAM	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
PHY	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and maintain a level of confidentiality.

**ISOPENTANE**

ID: 78-78-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-07 6:06:04**%: **0.0000 - 3.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Blowing agent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
MAM	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
PHY	EU - GHS (H-Statements)	H224 - Extremely flammable liquid and vapour

SUBSTANCE NOTES: Weight percentage interval is used to cover production variation and maintain a level of confidentiality.

## 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 V1.2 (Section 01350/CHPS) - Not tested		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-03-03	EXPIRY DATE:	CERTIFIER OR LAB: n/a
APPLICABLE FACILITIES: All.			
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

## Section 5: General Notes

Steel Alloying elements GreenScreen Score according to Pharos: - Iron (Fe) 7439-89-6: LT-P1 - Carbon (C) 7440-44-0 : LT-UNK - Chromium (Cr) 7440-47-3: LT-P1 - Copper (Cu) 7440-50-8: LT-P1 - Manganese (Mn) 7439-96-5: LT-P1 - Molybdenum (Mo) 7439-98-7: LT-UNK - Nickel (Ni) 7440-02-0: LT-1 - Phosphorus (P) 7723-14-0: BM-2 - Silicon (Si) 7440-21-3: LT-UNK - Sulfur (S) 7704-34-9: LT-UNK - Titanium (Ti) 7440-32-6: LT-UNK - Vanadium (V) 7440-62-2: LT-1.

**MANUFACTURER INFORMATION**

**MANUFACTURER: DE LA FONTAINE**  
**ADDRESS: 3 Normac road**  
**Woburn MA 01801, USA**  
**WEBSITE: www.delafontaine.com**

**CONTACT NAME: Rene Bouchard**  
**TITLE: Executive Business Development Manager**  
**PHONE: 800-565-9230**  
**EMAIL: rbouchard@delafontaine.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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.*