

CLASSIFICATION: 08 71 00

PRODUCT DESCRIPTION: Closers are UL Listed and characterized by: Cast aluminum body with a rack-and-pinion design; Adjustable spring sizes 1 through 6 (ADA Compliant); Tri-Style® packaged for regular, top jamb or parallel arm mounting; Non-handed; Rack-and-pinion design; Cast Aluminum body; Adjustable closing force and two closing ranges; Adjustable back check, which offers optimum protection for doors and walls by damped opening; Adjustable delayed closing which is important for situations where extended closing time is needed for passing through a door

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

Residuals/Impurities
Considered in 0 of 15 Materials

Explanation(s) provided
for Residuals/Impurities?
 Yes No

Are All Substances Above the Threshold Indicated:

Characterized

Percent Weight and Role Provided?

Yes No

Screened

Using Priority Hazard Lists with Results Disclosed?

Yes No

Identified

Name and Identifier Provided?

Yes No

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](#)

STEEL [IRON LT-UNK MANGANESE LT-P1 | END NICKEL LT-1 | MAM | CAN | SKI | AQU | RES ZINC LT-P1 | AQU | RES | PHY]
AL384 / 413 [ALUMINUM LT-P1 | RES | PHY | END SILICON LT-UNK IRON LT-UNK COPPER LT-P1 NICKEL LT-1 | MAM | CAN | SKI | AQU | RES ZINC LT-P1 | AQU | RES | PHY MANGANESE LT-P1 | END TIN LT-UNK MAGNESIUM LT-UNK | PHY] A401
CHROME SILICONE WIRE [IRON LT-UNK SILICON LT-UNK CHROMIUM LT-UNK | RES CARBON LT-UNK] CARDBOARD [MIXED RECYCLED PAPER UNK] ZINC-PLATED SCREW [ZINC LT-P1 | AQU | RES | PHY] PVC SP-7107 [POLYVINYL CHLORIDE (PVC) LT-UNK | RES] CLOSER OIL [DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C) LT-1 | CAN | MUL] AL6061-T1 ALUMINUM [ALUMINUM LT-P1 | RES | PHY | END MAGNESIUM LT-UNK | PHY SILICON LT-UNK TITANIUM LT-UNK ZINC LT-P1 | AQU | RES | PHY COPPER LT-P1 IRON LT-UNK CHROMIUM LT-UNK | RES MANGANESE LT-P1 | END] POWDER COAT [LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE (CALCITE) LT-UNK ALUMINUM OXIDE LT-UNK | RES TITANIUM OXIDE LT-UNK ALUMINUM LT-P1 | RES | PHY | END] SINTERED IRON MP1F F-008-K32 [IRON SINTER LT-UNK | C36000 HALF HARD BRASS [COPPER LT-P1 ZINC LT-P1 | AQU | RES | PHY LEAD LT-1 | MAM | AQU | DEL | REP | CAN | PBT | MUL | END IRON LT-UNK] PAPER [MIXED RECYCLED PAPER UNK] NITRILE RUBBER [NITRILES, C14-18 LT-P1 | MUL] LOCTITE 2047 SEALANT [(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXY-2,1-ETHANEDIYL) BISMETHACRYLATE LT-UNK | SKI 1,2-PROPANEDIOL, 2-METHYL-, MONOMETHACRYLATE LT-UNK POLYTETRAFLUOROETHYLENE LT-UNK CUMENE HYDROPEROXIDE LT-P1 | MAM | SKI | AQU | PHY | MUL FUMED SILICA, CRYSTALLINE-FREE (FUMED SILICA, CRYSTALLINE-FREE) LT-UNK CUMENE LT-1 | AQU | CAN | MAM | END PHENYLHYDRAZINE LT-1 | MAM | EYE | SKI | CAN | AQU | GEN | MUL] MYLAR [POLYETHYLENE TEREPHTHALATE (PET) LT-UNK]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals not considered as impacts are not considered to be significant

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

LCA: Environmental Product Declaration
Other: Declare Label

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2016-12-01

PUBLISHED DATE: 2018-05-24

EXPIRY DATE: 2019-12-01

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at www.hpd-collaborative.org/hpd-2-1-1-standard

STEEL

#: 39.1600 - 39.1600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material found in the following components: C1018 steel; C1020 steel; C1006 steel; Grade 50 chrome steel; low carbon steel; steel bearing; C1074 steel; 12L14 steel; heat treated C1045; C1095 spring steel; and 1214 steel

IRON

ID: 7439-89-6

#: 95.0000 - 95.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Iron

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Structural Component

MANGANESE

ID: 7439-96-5

#: 2.0000 - 2.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Manganese

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Structural Component

NICKEL

ID: 7440-02-0

#: 0.2000 - 0.2000

GS: LT-1

RC: None

NANO: No

ROLE: Nickel

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

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 IRRITATION

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

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Structural Component

ZINC

ID: 7440-66-6

#: 0.1500 - 9.1000

GS: LT-P1

RC: None

NANO: No

ROLE: Zinc

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

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

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Structural Component

AL384 / 413

#: 14.7600 - 14.7600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ALUMINUM ID: 7429-90-5

#: 76.0500 - 85.7000	GS: LT-P1	RC: None	NANO: No	ROLE: ALUMINUM
HAZARDS:	AGENCY(IES) WITH 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		
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		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air		
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases		

SUBSTANCE NOTES: Various Components

SILICON ID: 7440-21-3

#: 10.5000 - 13.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Silicon
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Assembly Component

IRON ID: 7439-89-6

#: 1.2000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: IRON
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Various Components

COPPER ID: 7440-50-8

#: 1.0000 - 4.5000	GS: LT-P1	RC: None	NANO: No	ROLE: COPPER
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Various Components

NICKEL ID: 7440-02-0

#: 0.5000 - 0.5000	GS: LT-1	RC: None	NANO: No	ROLE: Nickel
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)		

CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
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 IRRITATION	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
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Various Components

ZINC

ID: 7440-66-6

%. 0.5000 - 3.0000	GS: LT-P1	RC: None	NANO: No	ROLE: ZINC
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ACUTE AQUATIC	EU - R-phrases		R50 - Very Toxic to Aquatic Organisms	
RESPIRATORY	AOEC - Asthmagens		Asthmagen (ARs) - sensitizer-induced - inhalable forms only	
ACUTE AQUATIC	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life	
CHRON AQUATIC	EU - GHS (H-Statements)		H410 - Very toxic to aquatic life with long lasting effects	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)		H250 - Catches fire spontaneously if exposed to air	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)		H260 - In contact with water releases flammable gases which may ignite spontaneously	
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	
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	
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: Various Components

MANGANESE

ID: 7439-96-5

%. 0.3500 - 0.5000	GS: LT-P1	RC: None	NANO: No	ROLE: Manganese
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	

SUBSTANCE NOTES: Various Components

TIN

ID: 7440-31-5

%. 0.1500 - 0.3500	GS: LT-UNK	RC: None	NANO: No	ROLE: TIN
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Various Components

MAGNESIUM

ID: 7439-95-4

%. 0.1000 - 0.1000	GS: LT-UNK	RC: None	NANO: No	ROLE: MAGNESIUM
HAZARDS:	AGENCY(IES) WITH WARNINGS:			

PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
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: Various Components

A401 CHROME SILICONE WIRE

#: 11.8300 - 11.8300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

IRON

ID: 7439-89-6

#: 97.4000 - 97.4000

GS: LT-UNK

RC: None

NANO: No

ROLE: IRON

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Wiring Components

SILICON

ID: 7440-21-3

#: 1.3500 - 1.3500

GS: LT-UNK

RC: None

NANO: No

ROLE: Silicon

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Wiring Components

CHROMIUM

ID: 7440-47-3

#: 0.7000 - 0.7000

GS: LT-UNK

RC: None

NANO: No

ROLE: Chromium

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: Wiring Component

CARBON

ID: 7440-44-0

#: 0.5500 - 0.5500

GS: LT-UNK

RC: None

NANO: No

ROLE: Carbon

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Wiring Component

CARDBOARD

#: 9.3000 - 9.3000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

MIXED RECYCLED PAPER

ID: Not registered

#: 100.0000 - 100.0000

GS: UNK

RC: None

NANO: No

ROLE: Mixed recycled paper

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cardboard Component

ZINC-PLATED SCREW

#: 7.4200 - 7.4200

HPD URL:

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ZINC

ID: 7440-66-6

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: ZINC
%: 100.0000 - 100.0000	GS: LT-P1			
ACUTE AQUATIC	EU - R-phrases			R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens			Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ACUTE AQUATIC	EU - GHS (H-Statements)			H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)			H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)			H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)			H260 - In contact with water releases flammable gases which may ignite spontaneously
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
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
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: Screw Component

PVC SP-7107

%: 6.8800 - 6.8800

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: POLYVINYL CHLORIDE (PVC)
%: 100.0000 - 100.0000	GS: LT-UNK			
RESPIRATORY	AOEC - Asthmagens			Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Wiring Component

CLOSER OIL

%: 5.5600 - 5.5600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C1)

ID: 64741-89-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C1)
%: 100.0000 - 100.0000	GS: LT-1			
CANCER	EU - R-phrases			R45 - May cause cancer
CANCER	EU - GHS (H-Statements)			H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs			Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List			CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs			Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Closer Oil Component

AL6061-T1 ALUMINUM

%: 3.2400 - 3.2400

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

OTHER MATERIAL NOTES:

ALUMINUM

ID: 7429-90-5

HAZARDS:	AGENCY(IES) WITH 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
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
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Various Components

MAGNESIUM

ID: 7439-95-4

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
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: Various Components

SILICON

ID: 7440-21-3

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

SUBSTANCE NOTES: Various Components

TITANIUM

ID: 7440-32-6

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

SUBSTANCE NOTES: Various Components

ZINC

ID: 7440-66-6

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
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PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
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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: Various Components

COPPER

ID: 7440-50-8

<p>HAZARDS:</p> <p>None Found</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>No warnings found on HPD Priority lists</p>
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SUBSTANCE NOTES: Various Components

IRON

ID: 7439-89-6

<p>HAZARDS:</p> <p>None Found</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>No warnings found on HPD Priority lists</p>
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SUBSTANCE NOTES: Various Components

CHROMIUM

ID: 7440-47-3

<p>HAZARDS:</p> <p>RESPIRATORY</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>AOEC - Asthmagens</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: Chromium</p>	<p>Asthmagen (ARs) - sensitizer-induced - inhalable forms only</p>
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SUBSTANCE NOTES: Various Components

MANGANESE

ID: 7439-96-5

<p>HAZARDS:</p> <p>ENDOCRINE</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>TEDX - Potential Endocrine Disruptors</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: Manganese</p>	<p>Potential Endocrine Disruptor</p>
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SUBSTANCE NOTES: Various Components

POWDER COAT

%: 0.7100 - 0.7100

HPD URL:

<p>MATERIAL THRESHOLD: 1000 ppm</p> <p>RESIDUALS AND IMPURITIES NOTES:</p> <p>OTHER MATERIAL NOTES:</p>	<p>RESIDUALS AND IMPURITIES CONSIDERED: No</p>
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LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE (CALCITE))

ID: 1317-65-3

<p>HAZARDS:</p> <p>None Found</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>No warnings found on HPD Priority lists</p>
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SUBSTANCE NOTES: Powder Coat Component

ALUMINUM OXIDE

ID: 1344-28-1

<p>HAZARDS:</p> <p>RESPIRATORY</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>AOEC - Asthmagens</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: ALUMINUM OXIDE</p>	<p>Asthmagen (ARs) - sensitizer-induced - inhalable forms only</p>
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SUBSTANCE NOTES: Powder Coat Component

TITANIUM OXIDE

ID: 51745-87-0

%: 5.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Titanium oxide

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powder Coat Component

ALUMINUM

ID: 7429-90-5

%: 2.6500 - 2.6500

GS: LT-P1

RC: None

NANO: No

ROLE: ALUMINUM

HAZARDS:

AGENCY(IES) WITH 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

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

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Powder Coat Component

SINTERED IRON MPIF F-008-K32

%: 0.4000 - 0.4000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

IRON SINTER

ID: 65996-66-9

%: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Iron sinter

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Iron Component

C36000 HALF HARD BRASS

%: 0.3600 - 0.3600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

COPPER

ID: 7440-50-8

%: 62.0000 - 62.0000

GS: LT-P1

RC: None

NANO: No

ROLE: COPPER

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Various Components

ZINC

ID: 7440-66-6

%: 35.0000 - 35.0000

GS: LT-P1

RC: None

NANO: No

ROLE: ZINC

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

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

ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
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
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
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: Various Components

LEAD

ID: 7439-92-1

CONCENTRATION	GS	RC	NANO	ROLE
%: 3.0000 - 3.0000	GS: LT-1	RC: None	NANO: No	ROLE: LEAD
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MAMMALIAN	EU - R-phrases		R20 - Harmful by Inhalation (gas or vapor or dust/mist)	
MAMMALIAN	EU - R-phrases		R22 - Harmful if Swallowed	
ACUTE AQUATIC	EU - R-phrases		R50 - Very Toxic to Aquatic Organisms	
DEVELOPMENTAL	EU - R-phrases		R61 - May cause harm to the unborn child	
REPRODUCTIVE	EU - R-phrases		R62 - Possible risk of impaired fertility	
DEVELOPMENTAL	G&L - Neurotoxic Chemicals		Developmental Neurotoxicant	
CANCER	US EPA - IRIS Carcinogens		(1986) Group B2 - Probable human Carcinogen	
CANCER	IARC		Group 2a - Agent is probably Carcinogenic to humans	
CANCER	IARC		Group 2b - Possibly carcinogenic to humans	
CANCER	CA EPA - Prop 65		Carcinogen	
DEVELOPMENTAL	CA EPA - Prop 65		Developmental toxicity	
PBT	US EPA - Priority PBTs (NWMP)		Priority PBT	
PBT	WA DoE - PBT		PBT	
REPRODUCTIVE	CA EPA - Prop 65		Developmental Toxicity - Female	
REPRODUCTIVE	CA EPA - Prop 65		Developmental Toxicity - Male	
CANCER	US NIH - Report on Carcinogens		Reasonably Anticipated to be Human Carcinogen	
PBT	US EPA - Priority PBTs (PPT)		Priority PBT	
PBT	US EPA - Toxics Release Inventory PBTs		PBT	
PBT	OSPAR - Priority PBTs & EDs & equivalent concern		PBT - Chemical for Priority Action	
PBT	OR DEQ - Priority Persistent Pollutants		Priority Persistent Pollutant - Tier 1	
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Developmental Toxicity	
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs		Clear Evidence of Adverse Effects - Reproductive Toxicity	
ACUTE AQUATIC	EU - GHS (H-Statements)		H400 - Very toxic to aquatic life	
CHRON AQUATIC	EU - GHS (H-Statements)		H410 - Very toxic to aquatic life with long lasting effects	
DEVELOPMENTAL	EU - GHS (H-Statements)		H360Df - May damage the unborn child. Suspected of damaging fertility	
REPRODUCTIVE	EU - REACH Annex XVII CMRs		Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans	
MULTIPLE	ChemSec - SIN List		CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
CANCER	MAK		Carcinogen Group 2 - Considered to be carcinogenic for man	
REPRODUCTIVE	EU - Annex VI CMRs		Reproductive Toxicity - Category 1A	

SUBSTANCE NOTES: Ball- Closer Assembly Component

IRON

ID: 7439-89-6

CONCENTRATION	GS	RC	NANO	ROLE
%: 0.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: IRON
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

PAPER

%: 0.3000 - 0.3000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

MIXED RECYCLED PAPER

ID: Not registered

%: 100.0000 - 100.0000 GS: UNK RC: None NANO: No ROLE: Mixed recycled paper

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Label Component

NITRILE RUBBER

%: 0.0600 - 0.0600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

NITRILES, C14-18

ID: 68002-66-4

%: 100.0000 - 100.0000 GS: LT-P1 RC: None NANO: No ROLE: nitriles, C14-18

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Roller Bearing Component- Closer Assembly

LOCTITE 2047 SEALANT

%: 0.0300 - 0.0300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

(1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXY-2,1-ETHANEDIYL) BISMETHACRYLATE

ID: 24448-20-2

%: 60.0000 - 100.0000 GS: LT-UNK RC: None NANO: No ROLE: (1-methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediyl) bismethacrylate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Sealant Component

1,2-PROPANEDIOL, 2-METHYL, MONOMETHACRYLATE

ID: 27813-02-1

%: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: 1,2-PROPANEDIOL, 2-METHYL, MONOMETHACRYLATE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Sealant Component

POLYTETRAFLUOROETHYLENE

ID: 9002-84-0

%: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: POLYTETRAFLUOROETHYLENE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Sealant Component

CUMENE HYDROPEROXIDE

ID: 80-15-9

%: 1.0000 - 5.0000

GS: LT-P1

RC: None

NANO: No

ROLE: CUMENE HYDROPEROXIDE

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H242 - Heating may cause a fire
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Sealant Component

FUMED SILICA, CRYSTALLINE-FREE (FUMED SILICA, CRYSTALLINE-FREE)

ID: 112945-52-5

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: FUMED SILICA, CRYSTALLINE-FREE

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

SUBSTANCE NOTES: Sealant Component

CUMENE

ID: 98-82-8

%: 0.1000 - 1.0000

GS: LT-1

RC: None

NANO: No

ROLE: CUMENE

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
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
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
MAMMALIAN	EU - GHS (H-Statements)	H304: May be fatal if swallowed and enters airways
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Sealant Component

PHENYLHYDRAZINE

ID: 100-63-0

%: 0.1000 - 1.0000

GS: LT-1

RC: None

NANO: No

ROLE: PHENYLHYDRAZINE

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin
MAMMALIAN	EU - R-phrases	R25 - Toxic if Swallowed
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
CANCER	EU - R-phrases	R45 - May cause cancer
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
CANCER	CA EPA - Prop 65	Carcinogen
GENE MUTATION	EU - R-phrases	R68 - May cause irreversible effects
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life

MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
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
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Sealant Component

MYLAR

%: 0.0100 - 0.0100

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: POLYETHYLENE TEREPHTHALATE (PET)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Retaining Ring Component

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.

LCA	Environmental Declaration
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: NA CERTIFICATE URL: http://www.assaabloydss.com/Local/DSS/Sustainability/EPD/Mutual%20Listings/Locks%20and%20Hardware/115.1_ASSA%20ABLOY_mrEPD_Norton%207500%20series%20_20150417.pdf	ISSUE DATE: 2015-04-10
CERTIFICATION AND COMPLIANCE NOTES:	

OTHER	Declare Label
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: NA CERTIFICATE URL: http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/NORTON%207500-YALE%204400%20DOOR%20CLOSER%20WITH%20METAL%20COVER.jpg	ISSUE DATE: 2015-10-01 EXPIRY DATE: 2016-10-01 CERTIFIER OR LAB: ILFI
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

Residuals not considered as impacts are not considered to be significant

MANUFACTURER INFORMATION

MANUFACTURER: **Assa Abloy**
 ADDRESS: **110 Sargent Drive**
New Haven CT 06511, United States
 WEBSITE: **www.assaabloydss.com/sustainability**

CONTACT NAME: **Amy Vigneux**
 TITLE: **Manager, Sustainable Building Solutions**
 PHONE: **2036035919**
 EMAIL: **amy.vigneux@assaabloy.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.