

Norton 6000 Door Operator by Assa Abloy

CLASSIFICATION: 08 71 00

PRODUCT DESCRIPTION: The Norton 6000 Series PowerMatic® operator combines intelligence, reliability and superior control in one package. Designed with the user in mind, this operator features simple to use electronics, an onboard power supply and easy integration into access control systems. It also includes: Ease of installation and setup with simple instructions and LCD screen / joystick controller; Application versatility and ease of adjustment; Non-handed units; Push- or pull-side mounting; Interfaces with electric hardware and access control systems; Operates as mechanical surface closer during close cycle or if power is turned off; Critical for fire-rated doors; Clutch mechanism allows closer to function as a normal manual door closer; Operation activation options include: wall switches, radio frequency devices, Push-and-Go, obstruction detection in both closing and opening directions, adjustable motor start delay, adjustable vestibule delay, adjustable hold open delay, single pole double throw relay output, blow open for smoke ventilation, presence detector input, and On - Off - Infinite Hold Open selector mode switch

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 26 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 | END NICKEL | MAM | CAN | SKI | AQU | RES ZINC | AQU | RES | PHY | MOTOR GREASE | LITHIUM HYDROXIDE | MUL WHITE MINERAL OIL | LITHIUM 12-HYDROXYSTEARATE | UNK | MOTOR PAINT | WATER | TITANIUM DIOXIDE | CAN ISOPROPYL ALCOHOL | EYE | PHY N-BUTANOL | UNK | MAM | SKI | EYE ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) | MAM | EYE | SKI | END | CAN PROPYLENE GLYCOL MONOMETHYL ETHER (PGME) | ELECTRONIC | PRINTED CIRCUIT BOARD | AL384 / 413 | ALUMINUM | RES | PHY | END SILICON | IRON | COPPER | NICKEL | MAM | CAN | SKI | AQU | RES ZINC | AQU | RES | PHY MANGANESE | END TIN | MAGNESIUM | PHY | A401 CHROME SILICONE WIRE | IRON | SILICON | CHROMIUM | RES CARBON | ZINC-PLATED SCREW | ZINC | AQU | RES | PHY | CLOSER OIL | DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C) | CAN | MUL | PVC SP-7107-T100 | POLYVINYL CHLORIDE (PVC) | RES | ZAMAC #3 | ZINC | AQU | RES | PHY ALUMINUM | RES | PHY | END MAGNESIUM | PHY COPPER | AL6061-T1 ALUMINUM | ALUMINUM | RES | PHY | END MAGNESIUM | PHY SILICON | TITANIUM | ZINC | AQU | RES | PHY COPPER | IRON | CHROMIUM | RES MANGANESE | END | CHAIN TENSIONER | POLYETHYLENE | LUBRICOMP RAL | NYLON 6,6 | POLYTETRAFLUOROETHYLENE | KEVLAR | CAN | PAPER | MIXED RECYCLED PAPER | LOCTITE 454 SEALANT | 2-PROPENOIC ACID, 2-CYANO-, ETHYL ESTER (9C) | EYE | SKI | POLYURETHANE BAR | POLYURETHANE FOAMS | POWDER COAT (LIMESTONE, CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE (CALCITE)) | ALUMINUM OXIDE | RES TITANIUM OXIDE | ALUMINUM | RES | PHY | END | JET LUBE MARINE MOLY PASTE | PETROLEUM; CRUDE OIL | ANODIZED ALUMINUM | ALUMINA TRIHYDRATE | RES | NEOPRENE | CHLOROPRENE (USE CAS RN: 126-99-8) | C36000 HALF HARD BRASS | COPPER | ZINC | AQU | RES | PHY LEAD | MAM | AQU | DEL | REP | CAN | PBT | MUL | END IRON | NITRILE RUBBER | NITRILES, C14-18 | MUL | LOCTITE 2047 SEALANT | (1-METHYLETHYLIDENE)BIS(4,1-PHENYLENEOXY-2,1-ETHANEDIYL) BISMETHACRYLATE | SKI | 1,2-PROPANEDIOL, 2-METHYL-, MONOMETHACRYLATE | POLYTETRAFLUOROETHYLENE | CUMENE HYDROPEROXIDE | MAM | SKI | AQU | PHY | MUL FUMED SILICA, CRYSTALLINE-FREE (FUMED SILICA, CRYSTALLINE-FREE) | CUMENE | AQU | CAN | MAM | END PHENYLHYDRAZINE | MAM | EYE | SKI | CAN | AQU | GEN | MUL | LOCTITE 416 SEALANT | 2-PROPENOIC ACID, 2-CYANO-, ETHYL ESTER (9C) | EYE | SKI | POLYMETHYL METHACRYLATE (PMMA) | RES HYDROQUINONE | MAM | CAN | EYE | SKI | AQU | GEN | END | MUL | MYLAR | POLYETHYLENE TEREPHTHALATE (PET) | LOCTITE 242 SEALANT | HYDROGEL | 14-HYDROXY-3,6,9,12-TETRAOXAETRADEC-1-YL-9-OCTADECENOIC ACID | CUMENE HYDROPEROXIDE | MAM | SKI | AQU | PHY | MUL PROPYLENE GLYCOL

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: 2018-05-29

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-standard

STEEL

#: 45.8200 - 45.8200

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material found in the following components: Back plate; cover; pinion extension; pinion extension ring; pinion washer; pinion sprocket; needle bearing; tensioner plate; motor sprocket; motor washer; chain guard; Ball - 1/8"; thrust collar; spring adjust nut; spring adjust screw; spring adjust collar; roller bearing; retaining ring; end plug; piston assembly; washer; pinion; pinion bushing; main spring; ANSI 3/8 chain; arm hub; slide arm; spring clip; dowel pin; roll pin

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

MOTOR GREASE

#: 19.9100 - 19.9100

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

LITHIUM HYDROXIDE

ID: 1310-65-2

#: 75.0000 - 85.0000 GS: LT-P1 RC: None NANO: No ROLE: lithium hydroxide

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Motor Component

WHITE MINERAL OIL

ID: 8042-47-5

#: 15.0000 - 25.0000 GS: LT-UNK RC: None NANO: No ROLE: WHITE MINERAL OIL

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Motor Component

LITHIUM 12-HYDROXYSTEARATE

ID: 7620-77-1

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: No ROLE: LITHIUM 12-HYDROXYSTEARATE

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Motor Component

MOTOR PAINT

#: 19.9100 - 19.9100

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

WATER

ID: 7732-18-5

#: 65.0000 - 85.0000 GS: UNK RC: None NANO: No ROLE: WATER

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Paint Component

TITANIUM DIOXIDE

ID: 13463-67-7

#: 10.0000 - 15.0000 GS: LT-1 RC: None NANO: No ROLE: Titanium dioxide

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65 Carcinogen (form-specific or based on limited exposure pathways)

CANCER IARC Group 2b: Possibly carcinogenic to humans - inhaled from occupational sources

CANCER MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

ISOPROPYL ALCOHOL

ID: 67-63-0

%: 1.0000 - 5.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Isopropyl Alcohol**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Paint Component

N-BUTANOL

ID: 71-36-3

%: 1.0000 - 5.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **N-BUTANOL**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage

SUBSTANCE NOTES: Paint Component

ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE)

ID: 111-76-2

%: 1.0000 - 5.0000 GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Ethylene glycol monobutyl ether (EGBE)**

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

SUBSTANCE NOTES: Paint Component

PROPYLENE GLYCOL MONOMETHYL ETHER (PGME)

ID: 107-98-2

%: 1.0000 - 5.0000 GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **PROPYLENE GLYCOL MONOMETHYL ETHER (PGME)**

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

SUBSTANCE NOTES: Paint Component

ELECTRONIC

%: 8.3600 - 8.3600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES: Material found in the following components: Main wiring harness; power connection harness; motor power harness; rocker switch; 3 position switch; fuse switch; potentiometer assembly; and PCB

PRINTED CIRCUIT BOARD

ID: Not Registered

%: 100.0000 - 100.0000 GS: **NoGS** RC: **None** NANO: **No** ROLE: **PCB**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: No CAS number is assigned for electronic components

AL384 / 413

#: 4.8400 - 4.8400

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		

A401 CHROME SILICONE WIRE

%: 3.8800 - 3.8800

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				

ZINC-PLATED SCREW

%: 1.9300 - 1.9300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ZINC

ID: 7440-66-6

%: 100.0000 - 100.0000	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: Screw Component

CLOSER OIL

%: 1.8200 - 1.8200

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

%: 100.0000 - 100.0000	GS: LT-1	RC: None	NANO: No	ROLE: DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) LIGHT PARAFFINIC (9C1)
HAZARDS:	AGENCY(ES) WITH WARNINGS:			
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

PVC SP-7107-T100

%: 1.3300 - 1.3300

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

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

SUBSTANCE NOTES: End Cap Component

ZAMAC #3

%: 1.3000 - 1.3000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ZINC

ID: 7440-66-6

%: 67.7000 - 96.1000	GS: LT-P1	RC: None	NANO: No	ROLE: ZINC
HAZARDS:	AGENCY(ES) 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		

SUBSTANCE NOTES: Pinion Component

ALUMINUM

ID: 7429-90-5

<p>HAZARDS:</p> <p>RESPIRATORY</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>ENDOCRINE</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>AOEC - Asthmagens</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>TEDX - Potential Endocrine Disruptors</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: ALUMINUM</p> <p>Asthmagen (ARs) - sensitizer-induced - inhalable forms only</p> <p>H228 - Flammable solid</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H261 - In contact with water releases flammable gases</p> <p>Potential Endocrine Disruptor</p> <p>H228 - Flammable solid</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H261 - In contact with water releases flammable gases</p>
<p>SUBSTANCE NOTES: Pinion Ring Component</p>				

MAGNESIUM

ID: 7439-95-4

<p>HAZARDS:</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: MAGNESIUM</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H260 - In contact with water releases flammable gases which may ignite spontaneously</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H260 - In contact with water releases flammable gases which may ignite spontaneously</p>
<p>SUBSTANCE NOTES: Pinion Ring Component</p>				

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>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: COPPER</p>
<p>SUBSTANCE NOTES: Pinion Ring Component</p>				

AL6061-T1 ALUMINUM

%: 1.0600 - 1.0600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ALUMINUM

ID: 7429-90-5

<p>HAZARDS:</p> <p>RESPIRATORY</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>ENDOCRINE</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p> <p>PHYSICAL HAZARD (REACTIVE)</p>	<p>AGENCY(IES) WITH WARNINGS:</p> <p>AOEC - Asthmagens</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>TEDX - Potential Endocrine Disruptors</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p> <p>EU - GHS (H-Statements)</p>	<p>RC: None</p>	<p>NANO: No</p>	<p>ROLE: ALUMINUM</p> <p>Asthmagen (ARs) - sensitizer-induced - inhalable forms only</p> <p>H228 - Flammable solid</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H261 - In contact with water releases flammable gases</p> <p>Potential Endocrine Disruptor</p> <p>H228 - Flammable solid</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H261 - In contact with water releases flammable gases</p> <p>H228 - Flammable solid</p> <p>H250 - Catches fire spontaneously if exposed to air</p> <p>H261 - In contact with water releases flammable gases</p>
<p>SUBSTANCE NOTES: Various Components</p>				

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
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		

COPPER

ID: 7440-50-8

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

IRON

ID: 7439-89-6

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

CHROMIUM

ID: 7440-47-3

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: Various Components			

MANGANESE

ID: 7439-96-5

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			

CHAIN TENSIONER

%: 0.6600 - 0.6600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES:	
OTHER MATERIAL NOTES:	

POLYETHYLENE

ID: 9002-88-4

GS: LT-UNK	RC: None	NANO: No	ROLE: POLYETHYLENE
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
None Found	No warnings found on HPD Priority lists		
SUBSTANCE NOTES: Chain Tensioner Component			

LUBRICOMP RAL

%: 0.6600 - 0.6600

HPD URL:

MATERIAL THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES:	
OTHER MATERIAL NOTES:	

NYLON 6,6

ID: 32131-17-2

GS: LT-UNK	RC: None	NANO: No	ROLE: NYLON 6,6
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
None Found	No warnings found on HPD Priority lists		
SUBSTANCE NOTES: Slider Component			

POLYTETRAFLUOROETHYLENE

ID: 9002-84-0

GS: LT-UNK	RC: None	NANO: No	ROLE: Polymer
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
None Found	No warnings found on HPD Priority lists		
SUBSTANCE NOTES:			

KEVLAR

ID: 26125-61-1

GS: LT-UNK	RC: None	NANO: No	ROLE: KEVLAR
HAZARDS:	AGENCY(IES) WITH WARNINGS:		
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	
SUBSTANCE NOTES: Slider Component			

PAPER

#: 0.4600 - 0.4600

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

LOCTITE 454 SEALANT

#: 0.3300 - 0.3300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

2-PROPENOIC ACID,2-CYANO-, ETHYL ESTER (9CI)

ID: 7085-85-0

#: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: 2-PROPENOIC ACID,2-CYANO-, ETHYL ESTER (9CI)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SUBSTANCE NOTES: Sealant Component

POLYURETHANE BAR

#: 0.3300 - 0.3300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

POLYURETHANE FOAMS

ID: 9009-54-5

#: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: POLYURETHANE FOAMS

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cushion Block Component

POWDER COAT

#: 0.2700 - 0.2700

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE (CALCITE))

ID: 1317-65-3

#: 85.0000 - 90.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: LIMESTONE; CALCIUM CARBONATE

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Powder Coat Component

ALUMINUM OXIDE

ID: 1344-28-1

%: 5.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: ALUMINUM OXIDE

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

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

JET LUBE MARINE MOLY PASTE

%: 0.1700 - 0.1700

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

PETROLEUM; CRUDE OIL

ID: Not registered

%: 100.0000 - 100.0000

GS: UNK

RC: None

NANO: No

ROLE: Petroleum; Crude oil

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

SUBSTANCE NOTES: Lube Component

ANODIZED ALUMINUM

%: 0.1500 - 0.1500

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 100.0000 - 100.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Alumina trihydrate

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Pulley Component

NEOPRENE

%: 0.1300 - 0.1300

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

CHLOROPRENE (USE CAS RN: 126-99-8)

ID: 184963-09-5

%: 100.0000 - 100.0000	GS: UNK	RC: None	NANO: No	ROLE: Chloroprene (USE CAS RN: 126-99-8)
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Belt Component				

C36000 HALF HARD BRASS

%: 0.1200 - 0.1200

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

%: 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

%: 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			

SUBSTANCE NOTES: Ball for Closer Assembly Component

NITRILE RUBBER

%: 0.0100 - 0.0100

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: nitrioles, 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

%: 0.0100 - 0.0100

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: None Found AGENCY(IES) WITH WARNINGS: 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: None Found AGENCY(IES) WITH WARNINGS: 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

Table with 3 columns: HAZARDS, AGENCY(IES) WITH WARNINGS, and R-phrases. Rows include MAMMALIAN, SKIN IRRITATION, ORGAN TOXICANT, ACUTE AQUATIC, CHRON AQUATIC, PHYSICAL HAZARD (REACTIVE), SKIN IRRITATION, MAMMALIAN, and MULTIPLE.

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: None Found AGENCY(IES) WITH WARNINGS: 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

Table with 3 columns: HAZARDS, AGENCY(IES) WITH WARNINGS, and R-phrases. Rows include ACUTE AQUATIC, CANCER, CHRON AQUATIC, MAMMALIAN, ENDOCRINE, and CANCER.

PHENYLHYDRAZINE

ID: 100-63-0

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: PHENYLHYDRAZINE
%: 0.1000 - 1.0000	GS: LT-1			
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

LOCTITE 416 SEALANT

%: 0.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

2-PROPENOIC ACID,2-CYANO-, ETHYL ESTER (9CI)

ID: 7085-85-0

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: 2-PROPENOIC ACID,2-CYANO-, ETHYL ESTER (9CI)
%: 85.0000 - 90.0000	GS: LT-UNK			
EYE IRRITATION	EU - R-phrases			R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases			R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)			H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)			H319 - Causes serious eye irritation

SUBSTANCE NOTES: Sealant Component

POLYMETHYL METHACRYLATE (PMMA)

ID: 9011-14-7

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: POLYMETHYL METHACRYLATE (PMMA)
%: 10.0000 - 15.0000	GS: LT-UNK			

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

SUBSTANCE NOTES: Sealant Component

HYDROQUINONE

ID: 123-31-9

HAZARDS:	AGENCY(ES) WITH WARNINGS:
HAZARDS: %: 0.1000 - 1.0000 GS: LT-1 RC: None NANO: No ROLE: HYDROQUINONE	AGENCY(ES) WITH WARNINGS:
MAMMALIAN	EU - R-phrases R22 - Harmful if Swallowed
CANCER	EU - R-phrases R40 - Limited Evidence of Carcinogenic Effects
EYE IRRITATION	EU - R-phrases R41 - Risk of serious damage to eyes
SKIN SENSITIZE	EU - R-phrases R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases R50 - Very Toxic to Aquatic Organisms
GENE MUTATION	EU - R-phrases R68 - May cause irreversible effects
ACUTE AQUATIC	EU - GHS (H-Statements) H400 - Very toxic to aquatic life M = 10
SKIN IRRITATION	EU - GHS (H-Statements) H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements) H318 - Causes serious eye damage
GENE MUTATION	EU - GHS (H-Statements) H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements) H351 - Suspected of causing cancer
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor
MULTIPLE	German FE A - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters
CANCER	MAK Carcinogen Group 2 - Considered to be carcinogenic for man
SKIN SENSITIZE	MAK Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Sealant Component

MYLAR

%: 0.0000

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

HAZARDS:	AGENCY(ES) WITH WARNINGS:
HAZARDS: %: 100.0000 - 100.0000 GS: LT-UNK RC: None NANO: No ROLE: POLYETHYLENE TEREPHTHALATE (PET)	AGENCY(ES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Retaining Ring Component

LOCTITE 242 SEALANT

%: 0.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES:

OTHER MATERIAL NOTES:

HYDROGEL

ID: 25852-47-5

HAZARDS:	AGENCY(ES) WITH WARNINGS:
HAZARDS: %: 60.0000 - 60.0000 GS: LT-UNK RC: None NANO: No ROLE: hydrogel	AGENCY(ES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Sealant Component

14-HYDROXY-3,6,9,12-TETRAOXATETRADEC-1-YL-9-OCTADECENOIC ACID

ID: 9004-96-0

HAZARDS:	AGENCY(ES) WITH WARNINGS:
HAZARDS: %: 10.0000 - 30.0000 GS: LT-UNK RC: None NANO: No ROLE: 14-HYDROXY-3,6,9,12-TETRAOXATETRADEC-1-YL-9-OCTADECENOIC ACID	AGENCY(ES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

CUMENE HYDROPEROXIDE

ID: 80-15-9

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: 1.0000 - 5.0000	GS: LT-P1 RC: None NANO: No ROLE: CUMENE HYDROPEROXIDE
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

PROPYLENE GLYCOL

ID: 57-55-6

HAZARDS:	AGENCY(IES) WITH WARNINGS:
%: 1.0000 - 5.0000	GS: LT-UNK RC: None NANO: No ROLE: PROPYLENE GLYCOL
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Sealant 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/114.1_ASSA%20ABLOY_mrEPD_Norton%206000%20series%20_20150417.pdf CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2015-04-10

OTHER	Declare Label
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: NA CERTIFICATE URL: http://www.assaabloydss.com/Local/DSS/Sustainability/Declare/Declare%20Labels/NORTON%206000%20DOOR%20OPERATOR.jpg CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2015-10-01 EXPIRY DATE: 2016-10-01 CERTIFIER OR LAB: ILFI

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

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
 GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types		
AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)	
BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.