

HPD UNIQUE IDENTIFIER: 23451

CLASSIFICATION: 22 42 43 Flushometers

PRODUCT DESCRIPTION: The Exposed Selectronic® Toilet/Urinal Flush Valves are sensor-operated for hands-free operation that prevents the spread of germs. It features a self-cleaning piston design that saves time and money by eliminating routine maintenance and preventing the valve from running due to clogs.

**Section 1: Summary**

**Nested Method / Product Threshold**

**CONTENT INVENTORY**

<p><b>Inventory Reporting Format</b></p> <p><input checked="" type="radio"/> Nested Materials Method <input type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material <input checked="" type="radio"/> Product</p>	<p><b>Threshold level</b></p> <p><input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></p> <p>Residuals/Impurities Considered in 38 of 38 Materials</p> <p><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances except SC substances characterized according to SC guidance.</i></p> <p><b>Screened</b> <input checked="" type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input type="radio"/> No <i>All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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**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**

**FV BODY CAST - SEMI RED BRASS-CHR- [ BRASS NoGS ] COVER FOR FLUSH VALVE [ ZAMAK 3 NoGS ] BONNET NUT FOR FV 2.0 [ BRASS NoGS ] ADAPTER FLOW REGULATION F/FLUSH VALVE [ BRASS NoGS ] SC:ELECTRONICS:SOL.VALVE&O-RING2.5F/ACEXPOSE [ SC:WIRES Not Screened ] 6V LITHIUM BATTERY EL223AP [ STAINLESS STEEL NoGS MANGANESE DIOXIDE LT-P1 PROPYLENE CARBONATE LT-UNK | EYE 1,2-DIMETHOXYETHANE (PRIMARY CASRN IS 110-71-4) LT-1 | REP | MUL | PHY LITHIUM LT-P1 | SKI | MUL | REP | PHY LITHIUM PERCHLORATE, ANHYDROUS LT-UNK ] VALVE HOLDER F/FLUSH VALVE-NR#8- [ POLYAMIDE FIBERS NoGS CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK ] PISTON SUB-ASSY M923478+M923479+M912739 [ 1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE LT-UNK ] BATTERY HOLDER -NEW REVISION- [ SILOXANES AND SILICONES, DI-ME, ME VINYL, VINYL GROUP-TERMINATED LT-UNK POLYVINYL CHLORIDE (PVC) LT-P1 | RES CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK COPPER LT-P1 | MUL | AQU ] COVER FOR DIVERTER -FLUSH VALVE- [ ZAMAK 3 NoGS ] SPOOL MANUAL VALVE -ECO BRASS C69300 [ BRASS NoGS ] WIPER SEAL [ RUBBER, SYNTHETIC EPDM NoGS CARBON BLACK BM-1 | CAN ] SPRING RING [ STAINLESS STEEL NoGS ] SC:ELECTRONICS:SENSORFORFLUSHVALVE0.125GPF [ SC:WIRES Not Screened ] PISTON FOR MANUAL VALVE [ BRASS NoGS ] RETAINER BRACKET FOR FLUSH VALVE [ ABS RESIN LT-UNK 2,2',6,6'-TETRABROMOBISPHENOL A BM-1 | CAN | PBT | AQU | END |**

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

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

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Special conditions applied: Electronics

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

This product is inventoried to a 100 ppm disclosure level.

MUL | REP ] COMPRESSION SPRING F/FLUSH VALVE [ STAINLESS STEEL NoGS ] TORNILLO M3X12 -CHEESE HEAD- [ BRASS NoGS ] O-RING 30.00 X 2.50 [ 1,3-BUTADIENE, POLYMER WITH 2-PROPENITRILE LT-UNK CARBON BLACK BM-1 | CAN ] O-RING 2.114" X .070" FOR JASMINE LAV ESC [ 1,3-BUTADIENE, POLYMER WITH 2-PROPENITRILE LT-UNK CARBON BLACK BM-1 | CAN ] CLIP FOR MANUAL VALVE ON FLUSH VALVE [ COPPER LT-P1 | MUL | AQU ] SET SCREW MX5X6X2.5 90 POINT HEX- [ STAINLESS STEEL NoGS ] SCREW M3 X8 PHILLIPS HD SELF TAPPING-PT [ STAINLESS STEEL NoGS ] SCREW HEX. 1.5 M3 X 5MM MANUAL FV. BOTTOM [ STAINLESS STEEL NoGS ] SPRING COIL F/FV 0.718ODX0.638ID-SS- [ STAINLESS STEEL NoGS ] BATTERY CONTAINER [ POLYPROPYLENE LT-UNK ] STRAIGHT PIPE FOR 11.5" (TOILET) [ BRASS NoGS RUBBER, SYNTHETIC EPDM NoGS ABS RESIN LT-UNK ] VACC BREAK W/ HIGH PRESS BLADDER URINAL [ BRASS NoGS ] BONNET NUT FLOW REG [ BRASS NoGS ] TUERCA CONEXION P/FLUXOMETRO 1 1/4" NPSM [ BRASS NoGS ] 1 1/2" SPUD KIT [ BRASS NoGS ] 1" STOP VALVE [ BRASS NoGS ] 1" SWEAT SOLDER KIT [ BRASS NoGS ] 3/4" SWEAT-TUBE-ESCUTCHEON-RING- [ BRASS NoGS ] 3/4" ANGLE STOP VALVE F/FLUSH VALVE -CHR- [ BRASS NoGS ] 3/4" SPUD COUPLING X-11-D-REV-3 [ BRASS NoGS ] FLOW RESTRICTOR-WHITE 58 6645 10000- [ DELRIN NoGS ] ADAPTER FOR FLOW REGULATOR [ 1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE LT-UNK ]

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: VOC Emissions

**CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-01-19

PUBLISHED DATE: 2021-01-19

EXPIRY DATE: 2024-01-19

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

### FV BODY CAST - SEMI RED BRASS-CHR-

#: 32.9890 - 33.8740

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

#### BRASS

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

### COVER FOR FLUSH VALVE

#: 11.5460 - 11.8560

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

#### ZAMAK 3

ID: Not registered

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

### BONNET NUT FOR FV 2.0

#: 5.2780 - 5.4200

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**ADAPTER FLOW REGULATION F/FLUSH VALVE** %: 4.6190 - 4.7420

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SC:ELECTRONICS:SOL.VALVE&O-RING2.5F/ACEXPOSE** %: 2.6390 - 2.7100

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Electronic Component**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: SpecialConditionApplied:Electronics --- N/A

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **5.0000 - 9.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Electronic component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

## SUBSTANCE NOTES:

Version: SCElec/2018-02-23

Brief Description: Electronic wires are located in the solenoid valve. The component is fully enclosed in the plastic shell of the sensor and has no possible exposure during the use phase.

Compliance: The component is compliant with the most recent EU RoHS directive without any exemptions.

Takeback Program: The component is included in a takeback program.

## 6V LITHIUM BATTERY EL223AP

%: **1.0160 - 1.3200**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: **N/A**

## STAINLESS STEEL

ID: **12597-68-1**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **53.0000 - 57.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: **N/A**

## MANGANESE DIOXIDE

ID: **1313-13-9**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **28.0000 - 30.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: **N/A**

## PROPYLENE CARBONATE

ID: **108-32-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: 6.0000 - 7.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: N/A

**1,2-DIMETHOXYETHANE (PRIMARY CASRN IS 110-71-4)**

ID: 173201-80-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: 6.0000 - 7.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
REP	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
REP	EU - GHS (H-Statements)	H360FD - May damage fertility. May damage the unborn child
REP	EU - REACH Annex XVII CMRs	Toxic to Reproduction Category 2 - Substances which should be regarded as if they impair fertility or cause Developmental Toxicity in humans
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
REP	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
REP	GHS - Japan	Toxic to reproduction - Category 1B [H360]
REP	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B
REP	GHS - Australia	H360FD - May damage fertility. May damage the unborn child
REP	GHS - Korea	Category 1(1B) [H360 - May damage fertility or the unborn child]
PHY	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: N/A

**LITHIUM**

ID: 7439-93-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: 3.5000 - 4.0000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKI	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REP	GHS - New Zealand	6.8A - Known or presumed human reproductive or developmental toxicants
PHY	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: N/A

**LITHIUM PERCHLORATE, ANHYDROUS**

ID: 7791-03-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

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

SUBSTANCE NOTES: N/A

**VALVE HOLDER F/FLUSH VALVE-NR#8- %: 0.9900 - 1.0160**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**POLYAMIDE FIBERS**

ID: 63428-84-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **60.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **40.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Insulator**

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

SUBSTANCE NOTES: N/A

**PISTON SUB-ASSY M923478+M923479+M912739 %: 0.9900 - 1.0160**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **99.1000 - 100.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: **N/A**

**BATTERY HOLDER -NEW REVISION-** #: **0.6600 - 0.6770**

PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: **N/A**



**SILOXANES AND SILICONES, DI-ME, ME VINYL, VINYL GROUP-TERMINATED**

ID: 68083-18-1

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>74.0000 - 74.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>13.6000 - 13.6500</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES: N/A				

**CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>7.4000 - 7.4500</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Insulator</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

**COPPER**

ID: 7440-50-8

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>4.7000 - 4.7500</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Alloy element</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects		
SUBSTANCE NOTES: N/A				

**COVER FOR DIVERTER -FLUSH VALVE-**

%: 0.6600 - 0.6770

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Metal
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RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**ZAMAK 3**

ID: **Not registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SPOOL MANUAL VALVE -ECO BRASS C69300**

%: **0.6600 - 0.6770**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: **12597-71-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**WIPER SEAL**

%: **0.4360 - 0.5680**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**RUBBER, SYNTHETIC EPDM**

ID: 308064-28-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **42.0000 - 46.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **41.0000 - 45.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: N/A

**SPRING RING**%: **0.3300 - 0.3390**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SC:ELECTRONICS:SENSORFORFLUSHVALVE0.125GPF** %: **0.3300 - 0.3390**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Electronic Component**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: SpecialConditionApplied:Electronics --- N/A

**SC:WIRES**

ID: **SC:Electronics**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **5.0000 - 9.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Electronic component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:

Version: SCElec/2018-02-23

Brief Description: Electronic wires are located in the solenoid valve. The component is fully enclosed in the plastic shell of the sensor and has no possible exposure during the use phase.

Compliance: The component is compliant with the most recent EU RoHS directive without any exemptions.

Takeback Program: The component is included in a takeback program.

**PISTON FOR MANUAL VALVE**

%: **0.2980 - 0.3300**

PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: **N/A**

**BRASS**

ID: **12597-71-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: **N/A**

**RETAINER BRACKET FOR FLUSH VALVE**

%: **0.0590 - 0.0600**

PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: **N/A**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **65.0000 - 70.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**2,2',6,6'-TETRABROMOBISPHENOL A**

ID: 79-94-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **17.0000 - 20.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
PBT	WA DoE - PBT	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
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	ChemSec - SIN List	Endocrine Disruption
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport
REP	GHS - Japan	Toxic to reproduction - Category 1A [H360]
REP	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: N/A

**COMPRESSION SPRING F/FLUSH VALVE**%: **0.0310 - 0.0320**PRODUCT THRESHOLD: **100 ppm** RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**TORNILLO M3X12 -CHEESE HEAD-**%: **0.0300**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**O-RING 30.00 X 2.50**%: **0.0210 - 0.0210**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **40.0000 - 65.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **30.0000 - 50.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: N/A

**O-RING 2.114" X .070" FOR JASMINE LAV ESC** %: **0.0180 - 0.0190**PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**1,3-BUTADIENE, POLYMER WITH 2-PROPENITRILE**

ID: 9003-18-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **40.0000 - 65.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **30.0000 - 50.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: N/A

**CLIP FOR MANUAL VALVE ON FLUSH VALVE**

%: 0.0180

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**COPPER**

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
AQU	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects

SUBSTANCE NOTES: N/A

**SET SCREW MX5X6X2.5 90 POINT HEX-**

%: 0.0160



PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SCREW M3 X8 PHILLIPS HD SELF TAPPING-PT** %: **0.0150**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SCREW HEX. 1.5 M3 X 5MM MANUAL FV. BOTTOM** %: **0.0150 - 0.0160**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**SPRING COIL F/FV 0.718ODX0.638ID-SS-**%: **0.0000 - 0.0470**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**STAINLESS STEEL**

ID: 12597-68-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**BATTERY CONTAINER**%: **0.0000 - 0.3190**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**POLYPROPYLENE**

ID: 9003-07-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **96.8300 - 100.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

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

SUBSTANCE NOTES: N/A

**STRAIGHT PIPE FOR 11.5" (TOILET)**%: **0.0000 - 10.5570**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS** ID: 12597-71-6

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>91.0800 - 93.9000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Alloy element</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

**RUBBER, SYNTHETIC EPDM** ID: 308064-28-0

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>4.6600 - 4.8000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

**ABS RESIN** ID: 9003-56-9

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-19</b>		
%: <b>1.2600 - 1.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: N/A				

**VACC BREAK W/ HIGH PRESS BLADDER URINAL** %: 0.0000 - 8.4690

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES CONSIDERED: Yes	MATERIAL TYPE: Metal
RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.		
OTHER MATERIAL NOTES: N/A		

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**BONNET NUT FLOW REG**%: **0.0000 - 1.9790**PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**TUERCA CONEXION P/FLUXOMETRO 1 1/4" NPSM**%: **0.0000 - 2.0320**PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: **Yes** MATERIAL TYPE: **Metal**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**1 1/2" SPUD KIT**%: **0.0000 - 2.6390**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**1" STOP VALVE**

#: **0.0000 - 16.4950**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**

#: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**1" SWEAT SOLDER KIT**

#: **0.0000 - 4.2890**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**3/4" SWEAT-TUBE-ESCUTCHEON-RING-** %: 0.0000 - 3.0490

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**3/4" ANGLE STOP VALVE F/FLUSH VALVE -CHR-** %: 0.0000 - 16.9370

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS**

ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-19**%: **100.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: N/A

**3/4" SPUD COUPLING X-11-D-REV-3** %: 0.0000 - 3.3870

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**BRASS** ID: 12597-71-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-01-19

#: 100.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Alloy element

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

SUBSTANCE NOTES: N/A

**FLOW RESTRICTOR-WHITE 58 6645 10000-** #: 0.0000 - 0.0970

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**DELTRIN** ID: 66455-31-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-01-19

#: 89.6800 - 100.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Polymer species

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

SUBSTANCE NOTES: N/A

**ADAPTER FOR FLOW REGULATOR** #: 0.0000 - 0.1640

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were investigated for this material, however based on supplier documentation it was confirmed that no residuals or impurities are present above 100 ppm of the product.

OTHER MATERIAL NOTES: N/A

**1,3,5-TRIOXANE, POLYMER WITH 1,3-DIOXOLANE** ID: 24969-26-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-01-19

#: 99.0000 - 100.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

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

SUBSTANCE NOTES: N/A

### Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

VOC EMISSIONS	VOC Emissions
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-01- EXPIRY DATE: CERTIFIER OR LAB: Self-Declared
APPLICABLE FACILITIES: All facilities applicable.	19
CERTIFICATE URL:	
CERTIFICATION AND COMPLIANCE NOTES: N/A	

### 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

This health product declaration was prepared on behalf of LIXIL Americas, Inc. by Sustainable Solutions Corporation in Royersford, Pennsylvania.



**MANUFACTURER INFORMATION**

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

**KEY**

**Hazard Types**

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

**GreenScreen (GS)**

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

**Recycled Types**

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

**Other Terms:**

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

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*