

CLASSIFICATION: 22 42 13.13 Commercial Water Closets

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Sloan water closets are white vitreous china exchangeable devices that can be connected to a plumbing system to deliver and drain water and are designed to help conserve water. The representative water closet works with 1.1 to 1.6 gpf (gallons per flush)/4.2 to 6.0 Lpf (liters per flush), is made of vitreous china with a 1-1/2" (38 mm) top spud, a 1-1/2" (38.1 mm) I.P.S. top spud inlet, a 2-1/8" (54 mm) fully glazed trapway, and a water spot area ranging from 10" x 7-1/2" (254 mm x 191 mm) to 11-1/4" x 8-1/2" (286 mm x 216 mm). Sloan water closets are IAPMO certified to meet or exceed ASME A112.19.2 standards, are WaterSense listed by the US Environmental Protection Agency, and meet ADA guidelines and ANSI A117.1 requirements.

Section 1: Summary **Nested Method / Product Threshold**

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

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

Residuals/Impurities

Residuals/Impurities Considered in 1 of 1 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

WATER CLOSET [**KAOLIN CLAY (KAOLIN CLAY)** **LT-UNK** | **CAN QUARTZ (QUARTZ)** **LT-1** | **CAN FELDSPAR (FELDSPAR)** **LT-UNK** | **RES**]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

Other: Green Uniform Plumbing Code
Other: USEPA WaterSense Label

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER: SCS Global Services
VERIFICATION #: qGE-3571

SCREENING DATE: 2017-12-01
PUBLISHED DATE: 2018-02-06
EXPIRY DATE: 2020-12-01

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

WATER CLOSET

#: 100.0000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Sloan Valve Company worked with a Third Party HPD Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD.

OTHER MATERIAL NOTES:

KAOLIN CLAY (KAOLIN CLAY)

ID: 1332-58-7

#: 44.5000 GS: LT-UNK RC: None NANO: No ROLE: Structure

| HAZARDS: | AGENCY(IES) WITH WARNINGS: | |
|----------|----------------------------|--|
| CANCER | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |

SUBSTANCE NOTES:

QUARTZ (QUARTZ)

ID: 14808-60-7

#: 33.3000 GS: LT-1 RC: None NANO: No ROLE: Structure

| HAZARDS: | AGENCY(IES) WITH WARNINGS: | |
|----------|-----------------------------------|---|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CANCER | US NIH - Report on Carcinogens | Known to be Human Carcinogen (respirable size - occupational setting) |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | New Zealand - GHS | 6.7A - Known or presumed human carcinogens |
| CANCER | Australia - GHS | H350 - May cause cancer |

SUBSTANCE NOTES:

| | | | | |
|-------------------|----------------------------|---|-----------------|------------------------|
| %: 22.2000 | GS: LT-UNK | RC: None | NANO: No | ROLE: Structure |
| HAZARDS: | AGENCY(IES) WITH WARNINGS: | | | |
| RESPIRATORY | AOEC - Asthmagens | Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | |
| SUBSTANCE NOTES: | | | | |

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.

| OTHER | Green Uniform Plumbing Code | | |
|---|-----------------------------|-------------------------|-----------------------------|
| CERTIFYING PARTY: Third Party | ISSUE DATE: 2017-04-01 | EXPIRY DATE: 2018-04-01 | CERTIFIER OR LAB: IAPMO R&T |
| APPLICABLE FACILITIES: SLOAN VALVE COMPANY 10500 SEYMOUR AVE. FRANKLIN PARK, IL 60131-1259 | | | |
| CERTIFICATE URL: http://pld.iapmo.org/file_info.asp?file_no=0007354 | | | |
| CERTIFICATION AND COMPLIANCE NOTES: Sloan water closets are in compliance with the following standards: IAPMO Green Plumbing & Mechanical Code Supplement 2015; Cal Green - 2016; and LEEDv4 - Updated July 2017. | | | |

| OTHER | USEPA WaterSense Label | | |
|---|------------------------|-------------------------|-----------------------------|
| CERTIFYING PARTY: Self-declared | ISSUE DATE: 2017-04-01 | EXPIRY DATE: 2018-04-01 | CERTIFIER OR LAB: IAPMO R&T |
| APPLICABLE FACILITIES: SLOAN VALVE COMPANY 10500 SEYMOUR AVE. FRANKLIN PARK IL 60131-1259 | | | |
| CERTIFICATE URL: http://mirobase.iapmo.org/pld/listing_watersense.aspx?file=9804 | | | |
| CERTIFICATION AND COMPLIANCE NOTES: Sloan water closets are in compliance with the WaterSense Specification for Flushometer-Valve Water Closets standard, Version 1.0 Dated 12/17/2015. | | | |

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.

| WAX SEAL/WAX RING | HPD URL: No HPD available |
|--|----------------------------------|
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Wax Seal is used for initial installation. | |
| Sloan Fixtures - Water Closets hpdrepository.hpd-collaborative.org | |

Section 5: General Notes

All of the fixtures covered in this HPD are manufactured in our state of the art, Leadership in Energy and Environmental Design (LEED) Silver, zero municipal water facility in China. This facility was designed to capture rainwater and store it in underground storage tanks where it is then processed to drinking water quality. This water is then used to support the entire engineering center; from test benches and restrooms to showrooms and landscaping. Sloan water closets are white vitreous china exchangeable devices that can be connected to a plumbing system to deliver and drain water and are designed to help conserve water. The representative water closet works with 1.1 to 1.6 gpf (gallons per flush)/4.2 to 6.0 Lpf (liters per flush), is made of vitreous china with a 1-1/2" (38 mm) top spud, a 1-1/2" (38.1 mm) I.P.S. top spud inlet, a 2-1/8" (54 mm) fully glazed trapway, and a water spot area ranging from 10" x 7-1/2" (254 mm x 191 mm) to 11-1/4" x 8-1/2" (286 mm x 216 mm). Sloan water closets are International Association of Plumbing and Mechanical Officials (IAPMO) certified to meet or exceed American Society of Mechanical Engineers (ASME) A112.19.2 standards, are WaterSense listed by the US Environmental Protection Agency, and meet Americans with Disabilities Act (ADA) guidelines and American National Standard Institute (ANSI) A117.1 requirements.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Sloan Valve Company
ADDRESS: 10500 Seymour Avenue
Franklin Park IL 60131, United States
WEBSITE: sloan.com

CONTACT NAME: Patrick Boyle
TITLE: Director, Corporate Sustainability
PHONE: 847.233.2082
EMAIL: Patrick.Boyle@sloan.com

KEY

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

Hazard Types

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

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-P1 List Translator Possible Benchmark 1 |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | LT-1 List Translator Likely Benchmark 1 |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS Unknown (no data on List Translator Lists) |
| BM-U Benchmark Unspecified (insufficient data to benchmark) | |

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material

Nested Method / Product Threshold Substances listed within each material per threshold indicated per product

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology

Third Party Verified Verification by independent certifier approved by HPDC

Preparer Third party preparer, if not self-prepared by manufacturer

Applicable facilities Manufacturing sites to which testing applies

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

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

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

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

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