Sloan Lavatories
by Sloan Valve Company

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER:  23104
CLASSIFICATION:  22 42 16.13 Commercial Lavatories

PRODUCT DESCRIPTION: Sloan lavatories 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. Sloan lavatories are made of vitreous china with an overflow, are available for wall-hung or countertop installation, and may include the following options: backsplash, wheelchair access, and 4" (102 mm), 8" (203 mm), or single-hole centerset punching. Sloan lavatories are IAPMO certified to meet or exceed ASME A112.19.2 standards and meet ADA guidelines and ANSI A117.1 requirements.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>Not Considered</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

All Substances Above the Threshold Indicated Are:

- Characterized: Yes Ex/SC Yes No
  - % weight and role provided for all substances.

Screened: Yes Ex/SC Yes No
- All substances screened using Priority Hazard Lists with results disclosed.

Identified: Yes Ex/SC Yes No
- All substances disclosed by Name (Specific or Generic) and Identifier.

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.

INVENTORY AND SCREENING NOTES:

- Number of Greenscreen BM-4/BM3 contents ... 0
- Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
- Nanomaterial ... No

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: Inherently non-emitting source per LEED
- Other: Environmental Product Declaration (EPD) by SCS

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: WAP Sustainability Consulting
VERIFICATION #: zPr-11099
SCREENING DATE: 2020-10-07
PUBLISHED DATE: 2020-12-07
EXPIRY DATE: 2023-10-07
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)

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**SLOAN LAVATORIES**

**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 PRODUCT NOTES:**

**KAOLIN, CALCINED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-07

- **%:** 44.5000  
  - **GS:** LT-UNK
  - **RC:** None  
  - **NANO:** No  
  - **SUBSTANCE ROLE:** Ceramic body

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This substance contains a certain amount of iron oxide and titanium dioxide as impurities. On this HPD, the substance is part of a ceramic material. Ceramic production melds constituent substances into a single, highly durable material matrix. The listed hazards are not expected to be available under the normal use of this product.

**QUARTZ**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-07

- **%:** 33.3000  
  - **GS:** LT-1
  - **RC:** None  
  - **NANO:** No  
  - **SUBSTANCE ROLE:** Ceramic body

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC</td>
<td>Group 1 - Agent is Carcinogenic to humans</td>
</tr>
<tr>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
</tr>
<tr>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>
On this HPD, the substance is part of a ceramic material. Ceramic production melds constituent substances into a single, highly durable material matrix. The listed hazards are not expected to be available under the normal use of this product.

**FELDSPAR POWDER**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-07

| %: 22.2000 | GS: NoGS | RC: None | NANO: No | SUBSTANCE ROLE: Flux |

None found

No warnings found on HPD Priority Hazard Lists

This substance may contain a certain amount of iron oxide and titanium dioxide as impurities. On this HPD, the substance is part of a ceramic material. Ceramic production melds constituent substances into a single, highly durable material matrix. The listed hazards are not expected to be available under the normal use of this product.

**IRON OXIDE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-07

| %: Impurity/Residual | GS: LT-UNK | RC: None | NANO: No | SUBSTANCE ROLE: Impurity/Residual |

None found

No warnings found on HPD Priority Hazard Lists

This substance is an impurity present in kaolin clay and feldspar. A range in mass percentage is given to represent the worst-case scenario. On this HPD, the substance is part of a ceramic material. Ceramic production melds constituent substances into a single, highly durable material matrix. The listed hazards are not expected to be available under the normal use of this product.

**TITANIUM DIOXIDE**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-07

| %: Impurity/Residual | GS: LT-1 | RC: None | NANO: No | SUBSTANCE ROLE: Impurity/Residual |

CANCER  
US CDC - Occupational Carcinogens  
Occupational Carcinogen

CANCER  
CA EPA - Prop 65  
Carcinogen - specific to chemical form or exposure route

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

ENDOCRINE  
TEDX - Potential Endocrine Disruptors  
Potential Endocrine Disruptor

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

CANCER  
MAK  
Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: This substance is an impurity present in kaolin clay and feldspar. A range in mass percentage is given to represent the worst-case scenario. On this HPD, the substance is part of a ceramic material. Ceramic production melds constituent substances into a single, highly durable material matrix. The listed hazards are not expected to be available under the normal use of this product.
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

**Inherently non-emitting source per LEED**

**CERTIFYING PARTY:** Self-declared  
**APPLICABLE FACILITIES:** N/A  
**CERTIFICATE URL:**  
**ISSUE DATE:** 2020-10-07  
**EXPIRY DATE:**  
**CERTIFIER OR LAB:** N/A

**CERTIFICATION AND COMPLIANCE NOTES:**

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### OTHER

**Environmental Product Declaration (EPD) by SCS**

**CERTIFYING PARTY:** Third Party  
**APPLICABLE FACILITIES:** China Facility  
**ISSUE DATE:** 2017-10-02  
**EXPIRY DATE:** 2022-10-01  
**CERTIFIER OR LAB:** SCS Global


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.

**PLUMBER'S PUTTY**

**ITEM:** HPD URL: No HPD available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:** Plumber's putty is needed for the initial installation of the drain and pop-up when installing the faucet, following the manufacturer's specifications.

**SILICONE SEALANT**

**ITEM:** HPD URL: No HPD available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:** Silicone sealant is needed for mounting during the initial installation. The general VOC content for this material type is: 28 g/L.

Section 5: General Notes

All of the fixtures covered within 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 lavatories 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. Sloan lavatories are made of vitreous china with an overflow, are available for wall-hung or countertop installation, and may include the following options: backsplash, wheelchair access, and 4” (102 mm), 8” (203 mm), or single-hole centerset punching. Sloan lavatories are International Association of Plumbing and Mechanical Officials (IAPMO) certified to meet or exceed American Society of Mechanical Engineers (ASME) A112.19.2 standards and meet American with Disabilities Act (ADA) guidelines and American National Standards Institute (ANSI) A117.1 requirements.
### MANUFACTURER INFORMATION

<table>
<thead>
<tr>
<th>MANUFACTURER: Sloan Valve Company</th>
<th>CONTACT NAME: Patrick Boyle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS: 10500 Seymour Ave</td>
<td>TITLE: Director, Corporate Sustainability</td>
</tr>
<tr>
<td>Franklin Park IL 60131, USA</td>
<td>PHONE: 847.233.2082</td>
</tr>
<tr>
<td>WEBSITE: <a href="http://www.sloan.com">www.sloan.com</a></td>
<td>EMAIL: <a href="mailto:Patrick.Boyle@sloan.com">Patrick.Boyle@sloan.com</a></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms</th>
<th>Inventory Methods</th>
<th>Nano</th>
<th>Third Party Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>LAN Land toxicity</td>
<td>PreC Pre-consumer recycled content</td>
<td>GHS SDS</td>
<td>Nested Method / Material Threshold</td>
<td>Composed of nano scale particles or nanotechnology</td>
<td></td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>PostC Post-consumer recycled content</td>
<td></td>
<td>Nested Method / Product Threshold</td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
<td></td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple</td>
<td>UNK Inclusion of recycled content is unknown</td>
<td></td>
<td>Basic Method / Product Threshold</td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
<td></td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>None Does not include recycled content</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>NF Not found on Priority Hazard Lists</td>
<td></td>
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<td></td>
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<tr>
<td>GEN Gene mutation</td>
<td>OZO Ozone depletion</td>
<td></td>
<td></td>
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<tr>
<td>GLO Global warming</td>
<td>PBT Persistent, bioaccumulative, and toxic</td>
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</tr>
<tr>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
<td>LT-1 List Translator 1 (Likely Benchmark-1)</td>
<td>LT-UNK 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.)</td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td>NoGS No GreenScreen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM-3 Benchmark 3 (use but still opportunity for improvement)</td>
<td></td>
<td></td>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>BM-2 Benchmark 2 (use but search for safer substitutes)</td>
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<td></td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td></td>
<td></td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
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<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td></td>
<td></td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>LT-P1 List Translator Possible 1 (Possible Benchmark-1)</td>
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</tr>
</tbody>
</table>

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.