Sloan Fixtures - Urinals
by Sloan Valve Company

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

HPD UNIQUE IDENTIFIER: 23102
CLASSIFICATION: 22 42 13.16 Commercial Urinals

PRODUCT DESCRIPTION: Sloan washdown urinals 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 washdown urinal works with 0.125 to 0.5 gpf (gallons per flush)/0.5 to 1.9 Lpf (liters per flush), is made of vitreous china with a 3/4" top spud, has a 2" NPT outlet flange, and includes a removable strainer, inlet spud, and hanger. Sloan washdown urinals 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.

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Considered</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Partially Considered</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
<td>Not Considered</td>
</tr>
<tr>
<td>Other</td>
<td></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:

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-11104
SCREENING DATE: 2020-10-07
PUBLISHED DATE: 2020-12-07
EXPIRY DATE: 2023-10-07
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

SLOAN FIXTURES - URINALS

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

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
AGENCY AND LIST TITLES
WARNINGS
CANCER
IARC
Group 1 - Agent is Carcinogenic to humans
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
GHS - New Zealand
6.7A - Known or presumed human carcinogens
CANCER
GHS - Japan
Carcinogenicity - Category 1A [H350]
CANCER
GHS - Australia
H350i - May cause cancer by inhalation
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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-10-07</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 22.2000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS: NoGS</td>
<td></td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBSTANCE ROLE: Flux</td>
<td></td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: 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

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-10-07</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: Impurity/Residual</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS: LT-UNK</td>
<td></td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBSTANCE ROLE: Impurity/Residual</td>
<td></td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

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.

TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD:</th>
<th>Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE:</th>
<th>2020-10-07</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: Impurity/Residual</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS: LT-1</td>
<td></td>
<td>RC: None</td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SUBSTANCE ROLE: Impurity/Residual</td>
<td></td>
</tr>
</tbody>
</table>

None found

No warnings found on HPD Priority Hazard Lists

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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY: Self-declared</th>
<th>ISSUE DATE: 2020-10-07</th>
<th>EXPIRY DATE:</th>
<th>CERTIFIER OR LAB: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES: N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OTHER**

Environmental Product Declaration (EPD) by SCS

<table>
<thead>
<tr>
<th>CERTIFYING PARTY: Third Party</th>
<th>ISSUE DATE: 2017-10-02</th>
<th>EXPIRY DATE: 2022-10-01</th>
<th>CERTIFIER OR LAB: SCS Global</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES: China Facility</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATION AND COMPLIANCE NOTES:**

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

**PLUMBER'S CAULK**

HPD URL: No HPD available

**CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:**
Plumber's Caulk is used for the initial installation. No specific or brand name caulk is required, so a general VOC content for Plumber's Caulk is 36 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

MANUFACTURER: Sloan Valve Company
ADDRESS: 10500 Seymour Ave
Franklin Park IL 60131, USA
WEBSITE: www.sloan.com

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

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

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>LAN</td>
<td>Land toxicity</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, bioaccumulative, and toxic</td>
</tr>
</tbody>
</table>

GreenScreen (GS)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-4</td>
<td>Benchmark 4 (prefer-safer chemical)</td>
</tr>
<tr>
<td>BM-3</td>
<td>Benchmark 3 (use but still opportunity for improvement)</td>
</tr>
<tr>
<td>BM-2</td>
<td>Benchmark 2 (use but search for safer substitutes)</td>
</tr>
<tr>
<td>BM-1</td>
<td>Benchmark 1 (avoid - chemical of high concern)</td>
</tr>
<tr>
<td>BM-U</td>
<td>Benchmark Unspecified (due to insufficient data)</td>
</tr>
<tr>
<td>LT-P1</td>
<td>List Translator Possible 1 (Possible Benchmark-1)</td>
</tr>
<tr>
<td>LT-1</td>
<td>List Translator 1 (Likely Benchmark-1)</td>
</tr>
<tr>
<td>LT-UNK</td>
<td>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>
</tr>
<tr>
<td>NoGS</td>
<td>No GreenScreen</td>
</tr>
</tbody>
</table>

Recycled Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PreC</td>
<td>Pre-consumer recycled content</td>
</tr>
<tr>
<td>PostC</td>
<td>Post-consumer recycled content</td>
</tr>
<tr>
<td>UNK</td>
<td>Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td>None</td>
<td>Does not include recycled content</td>
</tr>
</tbody>
</table>

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.