Clay Facing Brick, Thin Brick, Pavers and Atlas by Interstate Brick®

CLASSIFICATION: 04 21 00.00 MASONRY (FACING BRICK. ATLAS™ STRUCTURAL BRICK, THIN BRICK): CLAY UNIT MASONRY

PRODUCT DESCRIPTION: THIS HEALTH PRODUCT DECLARATION COVERS ALL BRICK MANUFACTURED BY INTERSTATE® BRICK INCLUDING FACE BRICK, ATLAS™ STRUCTURAL BRICK, THIN BRICK AND PAVING BRICK. ALL PRODUCTS NOTED ARE MANUFACTURED USING THE SAME MATERIALS, MEANS AND METHODS FROM EXTRACTION TO PACKAGING.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>considered in 0 of 2 materials</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>see Section 2: Material Notes</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td>see Section 2: Material Notes</td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td>see Section 5: General Notes</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Based on the selected Content Inventory Threshold:

- Characterized: 
  - Are the Percent Weight and Role provided for all substances? Yes
  - Screened: 
    - Are all substances screened using Priority Hazard Lists with results disclosed? Yes
  - Identified: 
    - Are all substances disclosed by Name (Specific or Generic) and Identifier? Yes

Number of Greenscreen BM-4/BM3 contents: 0
Contents highest concern GreenScreen Benchmark or List translator Score: LT-P1
Nanomaterial: No

INVENTORY AND SCREENING NOTES:

- Reactivity - No dangerous reaction known under conditions of normal use.
- Chemical Stability - stable under normal storage conditions. Hazardous reactions - no dangerous reaction known under conditions of normal use.
- Conditions to avoid - none known. Incompatible materials - none known.
- Hazardous decomposition products - may include but not limited to oxides of carbon.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

VERIFIER: SCREENING DATE: March 23, 2017
VERIFICATION #: RELEASE DATE: March 23, 2017
* or within 3 months of significant change in product contents

*Self-Published*
*See HPDC website for details*
Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

<table>
<thead>
<tr>
<th>Material</th>
<th>Percentage</th>
<th>HPD URL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLAY/SHALE ALUMINUM SILICATE</td>
<td>95.0000 - 100.0000</td>
<td></td>
</tr>
<tr>
<td>Inventory Threshold: Per OSHA MSDS Residuals Considered: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material Notes: Clay/Shale Aluminum Silicate is the main ingredient in manufacturing clay brick products and is one of the most readily available soil types on earth. The product is recyclable by grinding, reforming, firing and repackaging. Clay bricks used as facing material and paving materials are often removed and reused on new buildings. Crushed brick can be used as decorative landscaping materials.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>QUARTZ</th>
<th>40.0000 - 75.0000</th>
<th>HPD URL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory Threshold: Per OSHA MSDS Residuals Considered: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material Notes: Quartz is present in Clay/Shale Aluminum Silicates at 40-75%.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHROMITE</th>
<th>ID: 1308-31-2</th>
<th>ROLE: Chromite is a black pigment used in turning white brick black</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0000 - 3.0000 GS: NoGS RC: None NANO: NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARDS: AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Found No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: Chromite turns white brick to various ranges of grays.|

<table>
<thead>
<tr>
<th>MANGANESE DIOXIDE</th>
<th>ID: 1313-13-9</th>
<th>ROLE: Used as Manganese Dioxide is a pigment added to the clay to make white brick transition to browns and blacks.</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.0000 - 3.0000 GS: LT-P1 RC: None NANO: NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZARDS: AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAMMALIAN EU - R-phrases R20 - Harmful by Inhalation (gas or vapor or dust/mist)</td>
</tr>
<tr>
<td>MAMMALIAN EU - R-phrases R22 - Harmful if Swallowed</td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES:|

<table>
<thead>
<tr>
<th>BARIUM CARBONATE</th>
<th>ID: 513-77-9</th>
</tr>
</thead>
</table>

Barium Carbonate is used to tie up soluble salts inherent in clays that create efflorescence and scum.

HAZARDS:

MAMMALIAN

AGENCY(IES) WITH WARNINGS:

EU - R-phrases

R22 - Harmful if Swallowed

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.

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.

MORTAR

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Mortars comprised of cementitious materials, and/or lime and fine aggregates are blended with water to create a bonding material which holds the brick apart and together, transfers loads from gravity, and dynamic forces such as wind, earthquake, fire and also helps prevents water migration through the envelop of a building.

Section 5: General Notes

Interstate® Brick do not contain Volatile Organic Compounds (VOC’s). Interstate® Brick’s beautiful exterior finish make them the perfect replacement for painted interior finishes thus eliminating off gases commonly associated with paints and other coatings. In addition, brick’s durability, and dense surface resist the abuse commonly associated with other materials which eliminates the need to reapply VOC containing paints and coatings multiple times over the course of a building life. Brick are easily cleaned using compliant detergents and water.
Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Interstate Brick
ADDRESS: 9780 S. 5200 W.
West Jordan, Utah 84081
United States
WEBSITE: www.interstatebrick.com

CONTACT NAME: Jeffrey L Elder
TITLE: General Sales Manager
PHONE: 8012805200
EMAIL: jeff.elder@interstatebrick.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
PHY Physical Hazard (reactive)
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer’s self-declaration (First Party)
Independent Lab Manufacturer’s self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a “Health Product Declaration,” or “HPD.” 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 Open Standard noted.