

HPD UNIQUE IDENTIFIER: 25414

CLASSIFICATION: 04 71 00 Manufactured Brick 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

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	Considered in 0 of 2 Materials	% weight and role provided for all substances.
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Material	<input checked="" type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> No	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input type="radio"/> Product			Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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
CLAY/SHALE ALUMINUM SILICATE [QUARTZ (QUARTZ) LT-1 | CAN]
QUARTZ [CHROMITE NoGS MANGANESE DIOXIDE LT-P1 | MAM
BARIUM CARBONATE LT-UNK | MAM]

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:

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 *See Section 3 for additional listings.*

VOC emissions: Inherently non-emitting source per LEED
 Other: Brick

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2021-07-09

PUBLISHED DATE: 2021-07-13
 EXPIRY DATE: 2024-07-09

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

CLAY/SHALE ALUMINUM SILICATE %: 95.0000 - 100.0000

MATERIAL THRESHOLD: Per OSHA MSDS RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Clay and/or Shale is extracted from the ground crushed, mixed, tempered with water, and extruded to specific profiles, that are dried and fired to make fired brick made of an amorphous mass of naturally occurring mineral materials that does not off-gas or leach out materials harmful to the environment or to people.

OTHER MATERIAL NOTES: Clay/Shale Aluminum Silicate is the main ingredient in manufacturing fired 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, structural elements, and paving materials are often removed and reused on new buildings. Crushed brick can be used as decorative landscaping materials.

QUARTZ (QUARTZ)

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-09 10:30:46

%: 45.0000 - 75.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Structure component

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	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Quartz is a major ingredient in the composition of clay/shale alumina silicate and fires to incipient vitrification; a state where the body is chemically fused together in an amorphous mass and made inert.

QUARTZ %: 40.0000 - 75.0000

MATERIAL THRESHOLD: Per OSHA MSDS RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Quartz is one of the main geologically derived materials found in clays and shales that are used to make brick.

CHROMITE

ID: 1308-31-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-09 10:30:46**%: **0.0000 - 3.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES: Chromite turns white brick to various shades or hues of gray.

MANGANESE DIOXIDE

ID: 1313-13-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-09 10:30:47**%: **0.0000 - 3.0000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAM	EU - R-phrases	R22 - Harmful if Swallowed

SUBSTANCE NOTES: Manganese Dioxide is used a pigment added to the clay mix to make white brick transition to shades or hues of browns and blacks.

BARIUM CARBONATE

ID: 513-77-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-09 10:30:48**%: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	EU - R-phrases	R22 - Harmful if Swallowed

SUBSTANCE NOTES: Barium Carbonate is used to tie up or chemically bind naturally occurring soluble salts inherent in clays and shales that create efflorescence and scum.

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: West Jordan, Utah CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2021-07- 13	EXPIRY DATE:	CERTIFIER OR LAB: N/A
OTHER	Brick		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: West Jordan, Utah CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: Although the raw materials used to produce brick may have minute amounts of organic material, none remain at the end of the firing process for the manufactured brick.	ISSUE DATE: 2021-07- 12	EXPIRY DATE:	CERTIFIER OR LAB: None

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-gassing which is commonly associated with paints and other coatings. In addition, brick's durability, and dense surface structure 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. Bricks are easily cleaned using recommended compliant detergents and water.

MANUFACTURER INFORMATION

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

CONTACT NAME: Steven Judd
TITLE: Technical Director
PHONE: 8012805228
EMAIL: steven.judd@interstatebrick.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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 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.