

CLASSIFICATION: 04 21 00.00 Masonry (Facing Brick, Structural Brick, thin Brick): Clay Unit Masonry

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THIS HEALTH PRODUCT DECLARATION COVERS ALL BRICK MANUFACTURED BY HC MUDDOX 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

- 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

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

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:

Residuals/Impurities Considered in 2 of 5 Materials

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: Emission Classification of Building Materials - M1

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-11-02

PUBLISHED DATE: 2017-11-02

EXPIRY DATE: 2020-11-02

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

CLAY/SHALE ALUMINUM SILICATE

%: 95.0000 - 100.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Brick made from Clay or Shale is extracted from the ground and is fired to become a solid mass that does not offgas or leach out materials harmful to the environment or to people.

OTHER 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.

CHROMITE (CHROMITE)

ID: 1308-31-2

%: 0.0000 - 3.0000

GS: NoGS

RC: None

NANO: No

ROLE: Chromite turns white brick to various ranges of grays.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

MANGANESE DIOXIDE (MANGANESE DIOXIDE)

ID: 1313-13-9

%: 0.0000 - 3.0000

GS: LT-P1

RC:

None

NANO:

No

ROLE: Used as Manganese Dioxide is a pigment added to the clay to make white brick transition to browns and blacks.

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SUBSTANCE NOTES: Used as Manganese Dioxide is a pigment added to the clay to make white brick transition to browns and blacks.

BARIUM CARBONATE (BARIUM CARBONATE)

ID: 513-77-9

%: 0.0000 - 3.0000

GS: LT-P1

RC:

None

NANO:

No

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SUBSTANCE NOTES: Barium Carbonate is used to tie up soluble salts inherent in clays 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

Emission Classification of Building Materials - M1

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-11-	EXPIRY DATE:	CERTIFIER OR LAB: Jeff Elder
APPLICABLE FACILITIES: It is generally recognized that brick gives off no voc emissions.	02		
CERTIFICATE URL:			
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.

MORTAR

HPD URL: **NO HPD AVAILABLE**

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.

Section 5: General Notes

HC Muddox Brick do not contain Volatile Organic Compounds (VOC's). HC Muddox 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: **H.C. Muddox Toll Free (800) 776-1244 Main**
(916) 859-6320
4875 Bradshaw Road
Sacramento CA 95827, United States
WEBSITE: **www.hcmuddox.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	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.