

Name HC MUDDOX Brick Company



Product ID Multiple ID's (see description below) Classification 04 21 00.00 Masonry (concrete block/brick): Clay Unit Masonry

Website www.hcmuddox.com

Manufacturer HC Muddox Name Jeff Elder  
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Description HPD covers all of the brick manufactured by HC MUDDOX Brick. All products are manufactured using the same materials, means and methods from extraction to packaging

Release Date 2014-02-20  Self-declared  
Expiry Date 2017-02-20  Second Party Certifier  
HPD URL <http://tool.hpdcollaborative.org/uploads/files/hpds/477/626-20140220142300.pdf>  Third Party Certificate #

### SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure  measured 100 ppm (ideal)  measured 1000 ppm  predicted by process chemistry  as per MSDS (10,000 ppm)  not disclosed  other

Full Disclosure of Intentional Ingredients  Yes  No  
Full Disclosure of Known Hazards  Yes  No  
Notes

### Contents in Descending Order of Quantity

QUARTZ , MANGANESE DIOXIDE , BARIUM CARBONATE

Hazards  PBT (Persistent Bioaccumulative Toxic)  Cancer  Gene Mutation  Development  Reproductive  Endocrine  Respiratory

Highest concern GreenScreen score - Benchmark 1  Neurotoxicity  Mammal  Skin or Eye  Aquatic toxicity  Land toxicity  Physical hazard  Global warming  Ozone depletion  Multiple  Unknown

Total VOC Content Material (g/L) N/A Regulatory (g/L) N/A Does the product contain exempt VOCs?  N/A  Yes  No Are there VOC-free tints available?  N/A  Yes  No

Notes

### Certifications + Compliance

VOC Emissions Not tested VOC Content N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard	Warnings					Notes
<b>QUARTZ</b>	14808-60-7	99 - 100 %	BM1	BO	N	Silica is clay that makes up to 100 percent of a brick's composition
CANCER	IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)					Note: Brick as a solid do not contribute to cancer. It is only when brick are sawcut or ground into dust that the particulates are in a form that in sufficiently high doses become a threat to cancer. Respirators should be used when grinding or sawcutting brick..... Brick is a recyleable product that can be taken from a site crushed as aggregate for use as construction base material below foundations, slabs and roadways. Crushed, it can also be used as a decorative landscape material reducing the water demand on a site. It can also be returned to the manufacturer as a post consumer material used as grog in the production of new brick. Cracked brick and deformed brick culled after the complete manufacturing process may be reused by crushing the brick and returning it back to the manufacturing process as post industrial recycled material. See manufacturer for additional documentation and percentage of recycled content by color.
<b>MANGANESE DIOXIDE</b>	1313-13-9	0 - 3 %	U	N	N	Used as a colorant to make clay brick transition to browns and blacks
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					
<b>BARIUM CARBONATE</b>	513-77-9	0 - 1 %	U	N	N	Ties up soluable salts in the brick to prevent effloresence
MAMMALIAN	EU R-Phrases: R22: Harmful if swallowed.					

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			Notes
VOC Emissions	Not tested			

VOC Content	N/A		
Recycled Content	Not tested		
Other			

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products.  
 Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	
Mortars	
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.	

**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.