

Ernest Maier Block, Brick, and Hardscapes with CarbonCure Normal Weight Concrete Masonry Unit

by CarbonCure Technologies

Health Product Declaration v2.1

Classification: 04 20 00.00

created via: HPDC Online Builder

Product Description: This HPD applies to all configurations of Ernest Maier Normal Weight Concrete Masonry Unit with CarbonCure™, all configurations conform to the following: ASTM C90 Load Bearing Concrete Masonry Units, CSI Specification Sector 04 22 00 - Concrete Unit Masonry, UNSPSC Code 30131502 - Concrete Blocks. The Normal Weight Concrete Masonry Unit is produced at Ernest Maier's plant in Bladenburg, Maryland using CarbonCure's technology. The CarbonCure™ process incorporates waste carbon dioxide sourced from local industrial emitters into the concrete during the manufacturing process, where it becomes chemically converted into solid calcium carbonate (limestone) embedded throughout the concrete block.

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 0 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

AWDAWDWAD | FORMALDEHYDE | LT-1 | MAM | SKI | CAN | RES | GEN | MUL | END
FORMALDEHYDE | LT-1 | MAM | SKI | CAN | RES | GEN | MUL | END]

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:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for

additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2016-12-01
PUBLISHED DATE: 2017-06-21
EXPIRY DATE: 2020-06-21

- Yes
- No

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

Threshold Reporting Level: Material

AWDAWDWAD

%: 10.0000 - 90.0000

HPD URL:

Material Inventory Threshold: Other

Residuals Considered: No

Residuals and Impurities Notes: awd

Other Material Notes: awd

FORMALDEHYDE

ID: 50-00-0

%: 1.0000 - 99.0000

GS: LT-1

RC: None

NANO: No

ROLE: foobar

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

MAMMALIAN

EU - R-phrases

R25 - Toxic if Swallowed

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES:

FORMALDEHYDE

ID: 50-00-0

#: 1.0000 - 99.0000

GS: LT-1

RC: None

NANO: No

ROLE: admin

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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MAMMALIAN	EU - R-phrases	R24 - Toxic in Contact with Skin
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CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: wawd

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.

Section 5: General Notes

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **CarbonCure Technologies**

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awd

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