Section 1: Summary

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
- Considered in 0 of 4 Materials
- Explanation(s) provided for Residuals/Impurities?
  - Yes
  - No

All Substances Above the Threshold Indicated Are:
- Characterized
  - Yes Ex/SC
  - No
- Screened
  - Yes Ex/SC
  - No
- Identified
  - Yes Ex/SC
  - 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
--- | --- | --- | --- | ---
CELLULOSE | MIXED RECYCLED PAPER | NoGS | PARAFFIN WAX EMULSION | PARAFFIN LT-UNK | COPPER METABORATE [ SODIUM METABORATE LT-P1 ] | COPPER SULFATE PENTAHYDRATE LT-P1 | AQU | SKI | EYE | END | MUL | COPPER SULFATE PENTAHYDRATE

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:
all product data is accurate

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: California CDPH Section 01350

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2019-01-29
PUBLISHED DATE: 2019-01-29
EXPIRY DATE: 2022-01-29
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

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>%: 94.0000 - 98.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CELLULOSE</td>
<td></td>
</tr>
<tr>
<td>MATERIAL THRESHOLD:</td>
<td>Per GHS SDS</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>This material has no substances above the reporting threshold</td>
</tr>
<tr>
<td>HPD URL:</td>
<td><a href="https://hpdrepository.hpd-collaborative.org/repository/HPDThumbnails/6E1A650EF45ACA39469939452F14B874.jpg">Link</a></td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
<td>Recycled paper including newspaper, copy paper, books, cardboardAll substances in this material are below the reportable threshold.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>%: 94.0000 - 98.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXED RECYCLED PAPER</td>
<td></td>
</tr>
<tr>
<td>HAZARD SCREENING METHOD:</td>
<td>Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE:</td>
<td>2019-01-29</td>
</tr>
<tr>
<td>GS:</td>
<td>NoGS</td>
</tr>
<tr>
<td>RC:</td>
<td>Both</td>
</tr>
<tr>
<td>NANO:</td>
<td>No</td>
</tr>
<tr>
<td>ROLE:</td>
<td>Primary raw material for this product</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td></td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGs</td>
</tr>
<tr>
<td>No hazards found</td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td>This substance is the primary material</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>%: 1.0000 - 5.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARAFFIN WAX EMULSION</td>
<td></td>
</tr>
<tr>
<td>MATERIAL THRESHOLD:</td>
<td>Per GHS SDS</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES:</td>
<td>This material has no substances above the reporting threshold</td>
</tr>
<tr>
<td>HPD URL:</td>
<td><a href="https://hpdrepository.hpd-collaborative.org/repository/HPDThumbnails/6E1A650EF45ACA39469939452F14B874.jpg">Link</a></td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES:</td>
<td>Aid in resisting water absorptionAll substances in this material are below the reportable threshold.</td>
</tr>
<tr>
<td><strong>PARAFFIN</strong></td>
<td><strong>COPPER METABORATE</strong></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING METHOD</strong>: Pharos Chemical and Materials Library</td>
<td><strong>MATERIAL THRESHOLD</strong>: Per GHS SDS</td>
</tr>
<tr>
<td><strong>HAZARD SCREENING DATE</strong>: 2019-01-29</td>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED</strong>: No</td>
</tr>
<tr>
<td><strong>%</strong>: 1.0000 - 6.0000</td>
<td><strong>RESIDUALS AND IMPURITIES NOTES</strong>: All substances in this material are below the reportable threshold.</td>
</tr>
<tr>
<td><strong>GS</strong>: LT-UNK</td>
<td><strong>HPD URL</strong>: <a href="https://hprepository.hpd-collaborative.org/repository/HPDThumbnails/6E1A650EF45ACA39469939452F14B874.jpg">https://hprepository.hpd-collaborative.org/repository/HPDThumbnails/6E1A650EF45ACA39469939452F14B874.jpg</a></td>
</tr>
<tr>
<td><strong>RC</strong>: None</td>
<td><strong>OTHER MATERIAL NOTES</strong>: All substances in this material are below the reportable threshold.</td>
</tr>
<tr>
<td><strong>NANO</strong>: No</td>
<td></td>
</tr>
<tr>
<td><strong>ROLE</strong>: Lessen water absorption</td>
<td></td>
</tr>
<tr>
<td><strong>HAZARD TYPE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGENCY AND LIST TITLES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARNINGS</strong></td>
<td></td>
</tr>
<tr>
<td>No hazards found</td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES**: This substance is the secondary material
**SODIUM METABORATE**

**ID:** 7775-19-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-01-29

**%:** 0.0200 - 0.0200

**GS:** LT-P1

**RO:** None

**NANO:** No

**ROLE:** Antimicrobial

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>REPRODUCTIVE</td>
<td>Australia - GHS</td>
<td>H360Fd - May damage fertility. Suspected of damaging the unborn child</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This substance is a minor ingredient

---

**COPPER SULFATE PENTAHYDRATE**

**ID:** 7758-98-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2019-01-29

**%:** 0.0200 - 0.0200

**GS:** LT-P1

**RO:** None

**NANO:** No

**ROLE:** Antimicrobial

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H400 - Very toxic to aquatic life</td>
</tr>
<tr>
<td>CHRON AQUATIC</td>
<td>EU - GHS (H-Statements)</td>
<td>H410 - Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 3 - Severe Hazard to Waters</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** This substance is a minor ingredient

---

**COPPER SULFATE PENTAHYDRATE**

**%:** 0.0100 - 0.0100

**MATERIAL THRESHOLD:** Per GHS SDS

**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** All substances in this material are below the reportable threshold.
OTHER MATERIAL NOTES:  All substances in this material are below the reportable threshold.
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>California CDPH Section 01350</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Second Party</td>
<td>ISSUE DATE: 2011-09-21</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: School Classrooms</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFIER OR LAB: Air Quality Sciences</td>
<td>CERTIFICATE URL:</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

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.

No accessories are required for this product.

Section 5: General Notes
Section 6: References

MANUFACTURER INFORMATION

| MANUFACTURER: Homasote Company | CONTACT NAME: Steven Gleason |
| ADDRESS: 932 Lower Ferry Road | TITLE: Inside Sales Engineer |
| PO Box 7240                     | PHONE: 609-883-3300 x 1332 |
| West Trenton New Jersey 08628, USA | EMAIL: sgleason@homasote.com |
| WEBSITE: www.homasote.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
- OZO Ozone depletion
- PBT Persistent Bioaccumulative Toxic
- PHY Physical Hazard (reactive)
- REP Reproductive toxicity
- 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)
- LT-P1 List Translator Possible Benchmark 1
- LT-1 List Translator Likely Benchmark 1
- LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
- NoGS Unknown (no data on List Translator Lists)

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

- 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.