Section 1: Summary

Nested Method / Product 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 2 of 2 Materials
- Description(s) provided for Residuals/Impurities?
  - Yes
  - No

All Substances Above the Threshold Indicated Are:
- Characterized
  - Yes
  - Ex/SC
  - Yes
  - No
- Screened
  - Yes
  - Ex/SC
  - Yes
  - No
- Identified
  - Yes
  - Ex/SC
  - 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
--- | --- | --- | --- | ---
GYPSUM CORE BOARD | CALCIUM SULFATE DIHYDRATE | LT-UNK
GLUCOSE | BM-3
SODIUM POLYNAPHTALENESULFONATE | LT-P1 | PBT
METAPHOSPHORIC ACID (H3P3O9), TRISODIUM SALT | LT-UNK
MINERAL WOOL, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤ 18 % BY WEIGHT | LT-UNK
POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-HYDROXY-, C8-10-ALKYL ETHERS, AMMONIUM SALTS | LT-UNK
ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENOL | LT-UNK
QUARTZ | LT-1 | CAN PROTEIN HYDROLYSATE [USP] NoGS
GYPSUM PAPER FACING | CELLULOSE, MICROCRYSTALLINE NaGS
POLYVINYL CHLORIDE (PVC) | LT-P1 | RES
POLYVINYL ACETATE (PVA) | LT-UNK
STARCH | LT-UNK
STARCH, 2-HYDROXYETHYL ETHER, BASE-HYDROLYZED NaGS

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARATOR: Self-Prepared

VERIFIER:

VERIFICATION #:
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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### GYPSUM CORE-BOARD

<table>
<thead>
<tr>
<th>%: 89.0000 - 92.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 100 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES CONSIDERED: Yes</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: Residuals and impurities have been considered.</td>
</tr>
</tbody>
</table>

### CALCIUM SULFATE DIHYDRATE

<table>
<thead>
<tr>
<th>%: 89.0000 - 92.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-01-22</td>
</tr>
<tr>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>RC: UNK</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>ROLE: Core Board</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Residuals and impurities have been noted and QA analysis at the plant is available.

### GLUCOSE

<table>
<thead>
<tr>
<th>%: 0.2500 - 0.5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-01-22</td>
</tr>
<tr>
<td>GS: BM-3</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>ROLE: Gypsum crystal setting time</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Residuals and impurities have been considered.

### SODIUM POLYNAPHTHALENESULFONATE

<table>
<thead>
<tr>
<th>%: 0.1500 - 0.3000</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>HAZARD SCREENING DATE: 2019-01-22</td>
</tr>
<tr>
<td>GS: LT-P1</td>
</tr>
<tr>
<td>RC: None</td>
</tr>
<tr>
<td>NANO: No</td>
</tr>
<tr>
<td>ROLE: Gypsum crystal formation</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Residuals and impurities have been considered.
<table>
<thead>
<tr>
<th>Substance Notes</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>METAPHOSPHORIC ACID (H₃P₃O₉), TRISODIUM SALT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MINERAL WOOL, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤ 18 % BY WEIGHT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-HYDROXY-, C₈-₁₀-ALKYL ETHERS, AMMONIUM SALTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENOL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
No hazards found

SUBSTANCE NOTES: Residuals and impurities have been considered.

### QUARTZ

**ID:** 14808-60-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22

<table>
<thead>
<tr>
<th>%:</th>
<th>Impurity/Residual</th>
<th>GS:</th>
<th>LT-1</th>
<th>RC:</th>
<th>None</th>
<th>NANO: No</th>
<th>ROLE: Impurity/Residual</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **CANCER**  
  IARC - Group 1 - Agent is Carcinogenic to humans
  US CDC - Occupational Carcinogens - Occupational Carcinogen
  CA EPA - Prop 65 - Carcinogen - specific to chemical form or exposure route
  IARC - Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
  US NIH - Report on Carcinogens - Known to be Human Carcinogen (respirable size - occupational setting)
  MAK - Carcinogen Group 1 - Substances that cause cancer in man
  New Zealand - GHS - 6.7A - Known or presumed human carcinogens
  Japan - GHS - Carcinogenicity - Category 1A
  Australia - GHS - H350i - May cause cancer by inhalation

**SUBSTANCE NOTES:** Quartz is a naturally occurring contaminant in Gypsum rock. QA levels are available at the production sites.

### PROTEIN HYDROLYSATE [USP]

**ID:** 9015-54-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22

<table>
<thead>
<tr>
<th>%:</th>
<th>0.0000 - 0.0500</th>
<th>GS:</th>
<th>NoGS</th>
<th>RC:</th>
<th>None</th>
<th>NANO: No</th>
<th>ROLE: Gypsum crystal setting time</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

No hazards found

**SUBSTANCE NOTES:** Residuals and impurities have been considered.

### GYPSUM PAPER FACING

**%:** 5.0000 - 7.0000

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities have been considered.
### CELLULOSE, MICROCRYSTALLINE

**ID:** 9004-34-6  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22  

<table>
<thead>
<tr>
<th>%:</th>
<th>5.0000 - 7.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Paper Facing</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
No hazards found

**SUBSTANCE NOTES:** Residuals and impurities have been considered.

### POLYVINYL CHLORIDE (PVC)

**ID:** 9002-86-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22  

<table>
<thead>
<tr>
<th>%:</th>
<th>0.7500 - 1.1000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Panel Facer</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
No hazards found

**RESPIRATORY**  
AOEC - Asthmagens  
Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Residuals and impurities have been considered.

### POLYVINYL ACETATE (PVA)

**ID:** 9003-20-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22  

<table>
<thead>
<tr>
<th>%:</th>
<th>0.7000 - 0.9000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Adhesive</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
No hazards found

**SUBSTANCE NOTES:** Residuals and impurities have been considered.

### STARCH

**ID:** 9005-25-8  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-22  

<table>
<thead>
<tr>
<th>%:</th>
<th>0.5000 - 1.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Binder for paper to core</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
No hazards found

**SUBSTANCE NOTES:** Residuals and impurities have been considered.

### STARCH, 2-HYDROXYETHYL ETHER, BASE-HYDROLYZED

**ID:** 68512-26-5
<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.5000 - 0.7500</td>
<td>GS: NoGS</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>ROLE: Binder for paper to core</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>WARNINGS</td>
<td></td>
</tr>
<tr>
<td>No hazards found</td>
<td></td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Residuals and impurities have been considered.
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

CDPH Standard Method
V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: https://www.certainteed.com/resources/CTC_Certificate_Compliance_Vinylrock_Envirogard.pdf
ISSUE DATE: 2011-10-18
EXPIRY DATE: 2011-10-18
CERTIFIER OR LAB: Berkeley Analytical

CERTIFICATION AND COMPLIANCE NOTES: CDPH/EHLB/ Standard Method V1.1

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

For additional information regarding this product please see SDS and Technical information on the website below https://www.certainteed.com/commercial-ceilings/products/vinylrock/
MANUFACTURER INFORMATION

MANUFACTURER: Saint Gobain
ADDRESS: 20 Moores Road
Malvern PA 19335, USA
WEBSITE: https://www.certainteed.com/commercial-
ceilings/products

CONTACT NAME: Tom Callahan
TITLE: Manager, Technical Services, CertainTeed
Ceilings
PHONE: 610-893-1000
EMAIL: Thomas.Callahan@Saint-Gobain.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

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>GLO</th>
<th>PHY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic toxicity</td>
<td>Global warming</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>Cancer</td>
<td>Mammalian/systemic/organ toxicity</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>Developmental toxicity</td>
<td>Multiple hazards</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>Endocrine activity</td>
<td>Neurotoxicity</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>Eye irritation/corrosivity</td>
<td>Ozone depletion</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>Gene mutation</td>
<td>Persistent Bioaccumulative Toxic</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

GreenScreen (GS)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Possible Benchmark 1</th>
<th>Likely Benchmark 1</th>
<th>Unknown (insufficient information from List Translator lists to benchmark)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-4</td>
<td>LT-P1</td>
<td>LT-1</td>
<td>NoGS</td>
</tr>
<tr>
<td>BM-3 Benchmark 3</td>
<td>LT-1 List Translator Likely Benchmark 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM-2 Benchmark 2</td>
<td>LT-1 List Translator Likely Benchmark 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td>LT-UNK List Translator Benchmark Unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BM-U Benchmark Unspecified (insufficient data to benchmark)</td>
<td>LT-UNK List Translator Benchmark Unknown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Recycled Types

<table>
<thead>
<tr>
<th>Type</th>
<th>PreC Preconsumer (Post-Industrial)</th>
<th>PostC Postconsumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both</td>
<td>Both Preconsumer and Postconsumer</td>
<td></td>
</tr>
<tr>
<td>Unk</td>
<td>Inclusion of recycled content is unknown</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>Does not include recycled content</td>
<td></td>
</tr>
</tbody>
</table>

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.