USG Securock® ExoAir® 430 Panels
by USG

CLASSIFICATION: 09 20 00

PRODUCT DESCRIPTION: Securock® ExoAir® 430 Panel is a glass mat-faced, moisture- and mold-resistant gypsum panel, with a non-combustible core integrated with a factory-applied synthetic vapor permeable air/water barrier membrane. The in-plant application provides a uniform membrane with superior bond resulting in predictable air and water barrier performance and adhesion to the base panel. The panel is a component of the Securock ExoAir 430 Air Barrier System, to be installed using Tremco® sealants and transition membranes to achieve air barrier continuity. The panel is designed for use under a variety of exterior claddings, including open joint rain screens, where traditionally a separate gypsum sheathing panel and air barrier would have been used.

Section 1: Summary

Basic 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
- Considered
- Partially Considered
- Not Considered

Explaination(s) provided for Residuals/Impurities?
- Yes
- No

Are All Substances Above the Threshold Indicated:
- Characterized
  - Yes
  - No

Percent Weight and Role Provided?

Screened
- Yes
- No

Using Priority Hazard Lists with Results Disclosed?

Identified
- Yes
- No

Name and Identifier Provided?

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
--- | --- | --- | --- | ---
USG SECUROCK® EXOAIR® 430 PANELS | GYPSUM LT-UNK | CALCIUM CARBONATE BM-3 | CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK UNDISCLOSED LT-UNK POLYMETHYLHYDROSILOXANE NoGS UNDISCLOSED LT-UNK ZINC OXIDE BM-1 | RES | AQU | MUL UNDISCLOSED LT-P1 | END | MUL PERICLASE (MGO) LT-UNK | NoGS

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/Impurities in raw materials that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS are displayed in the HPD when greater than or equal to 1000 ppm. USG uses an outside lab to quantify potential impurities of raw materials. Analytical methods may include but are not limited to: x-ray diffraction, x-ray fluorescence, atomic absorption, ion chromatography, liquid chromatography, and crystalline silica analysis.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC emissions: NA

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #: 

SCREENING DATE: 2018-08-22
PUBLISHED DATE: 2018-09-20
EXPIRY DATE: 2021-08-22

Third Party Verified?
- 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### USG SECUROCK® EXOAIR® 430 PANELS

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on usg.com for occupational exposure information. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**OTHER PRODUCT NOTES:** This product is manufactured at Jacksonville, FL.

#### GYPSUM

<table>
<thead>
<tr>
<th>%: 85.0000 - 90.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Core</th>
</tr>
</thead>
</table>

**HAZARDS:** No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

#### CALCIUM CARBONATE

<table>
<thead>
<tr>
<th>%: 3.0000 - 5.0000</th>
<th>GS: BM-3</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coating filler</th>
</tr>
</thead>
</table>

**HAZARDS:** No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

#### CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

<table>
<thead>
<tr>
<th>%: 2.0000 - 4.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Reinforcement</th>
</tr>
</thead>
</table>

**HAZARDS:** No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.
Continuous filament glass fibers is used in the manufacturing of this product are not respirable. Additionally, IARC (International Agency for Research on Cancer), NTP (US National Toxicology Program) and OSHA (US Occupational Safety and Health Administration) do not list continuous filament glass fibers as a carcinogen. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>%: 2.0000 - 4.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coating adhesive</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

**POLY(METHYLHYDROSILOXANE)**

<table>
<thead>
<tr>
<th>%: 0.3000 - 0.6000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Water repellant</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.
### Undisclosed

<table>
<thead>
<tr>
<th>%</th>
<th>0.1000 - 0.3000</th>
<th>GS</th>
<th>LT-P1</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Coating surfactant</th>
</tr>
</thead>
</table>

#### Hazards

<table>
<thead>
<tr>
<th>Agency(ies) With Warnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endocrine Disruption</td>
</tr>
<tr>
<td>Potential Endocrine Disruptors</td>
</tr>
<tr>
<td>German FEA - Substances Hazardous to Waters</td>
</tr>
</tbody>
</table>

### Periclase (MGO)

<table>
<thead>
<tr>
<th>%</th>
<th>0.0000 - 0.2000</th>
<th>GS</th>
<th>LT-UNK</th>
<th>RC</th>
<th>None</th>
<th>NANO</th>
<th>No</th>
<th>ROLE</th>
<th>Catalyst</th>
</tr>
</thead>
</table>

#### Hazards

<table>
<thead>
<tr>
<th>Agency(ies) With Warnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Found</td>
</tr>
</tbody>
</table>

### Substance Notes

- Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).
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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY</th>
<th>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-declared</td>
<td>2018-01-01</td>
<td></td>
<td>NA</td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES: NA

CERTIFICATE URL: NA

CERTIFICATION AND COMPLIANCE NOTES: No certification or compliance information for finished product.

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

Ingredient specific notes are included in Section 2.
### MANUFACTURER INFORMATION

**MANUFACTURER:** USG  
**ADDRESS:** 550 W Adams St  
**Chicago IL 60661, US**  
**WEBSITE:** usg.com  

**CONTACT NAME:** USG Sustainability  
**TITLE:** Sustainability Manager  
**PHONE:** 1-800-USG4YOU  
**EMAIL:** sustainability@usg.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

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>Key</th>
<th>Benchmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>GLO Global warming</td>
<td>PHY Physical Hazard (reactive)</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>MAM Mammalian/systemic/toxicity</td>
<td>REP Reproductive toxicity</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple hazards</td>
<td>RES Respiratory sensitization</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>SKI Skin sensitization/irritation/Corrosivity</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>OZO Ozone depletion</td>
<td>LAN Land Toxicity</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>PBT Persistent Bioaccumulative Toxic</td>
<td>NF Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**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)

**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

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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.