1. Identification

Product identifier

Paper Faced Gypsum Panels

Product list

Product List A
- ToughRock® Veneer Plaster Base (Blueboard)
- ToughRock® Flexroc® Gypsum Board
- ToughRock® Mold-Guard™ Gypsum Board
- ToughRock® Basement Board® Gypsum Board
- ToughRock® Sound Deadening Gypsum Board
- ToughRock® Stretch 54® Gypsum Board
- ToughRock® Soffit Board

Product List B
- ToughRock® Gypsum Board

Product List C
- ToughRock® Span 24® Lite-Weight Ceiling Board
- ToughRock® Stretch 54® Lite-Weight Gypsum Board
- ToughRock® Lite-Weight Gypsum Board
- ToughRock® MH Ceiling Board
- ToughRock® Fireguard X® Gypsum Board
- Toughrock® Fireguard 45® Gypsum Board

Product List D
- ToughRock® Gypsum Sheathing
- ToughRock® Span 24® Ceiling Board
- ToughRock® Fireguard X® Gypsum Sheathing
- ToughRock® Fireguard X® Stretch 54® Gypsum Board
- ToughRock® Fireguard X® Mold-Guard™ Abuse-Resistant Gypsum
- ToughRock® Fireguard X® Veneer Plaster Board
- ToughRock® Fireguard X® Mold-Guard™ Gypsum Board
- Toughrock® Fireguard X® Mold-Guard™ Max-Abuse Gypsum Board
- Toughrock® Fireguard X® Mold-Guard™ Max-Impact Gypsum Board

Product List E
- ToughRock® Shaftliner
- ToughRock® Fireguard C® Soffit Board
- ToughRock® Fireguard C® Stretch 54® Gypsum Board
- ToughRock® Lite-Weight Fire-Rated Gypsum Board

Product List F
- ToughRock® Fireguard C® Gypsum Board
- ToughRock® Lite-Weight Veneer Plaster Base

Other means of identification

Product code

GP-71A

Recommended use

Products accommodate wide range of wall, floor and ceiling applications and soffit treatments.

Recommended restrictions

Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
Manufacturer/Importer/Supplier/Distributor information

Manufacturer
- **Company name**: Georgia-Pacific Gypsum LLC
- **Address**: 133 Peachtree Street, NE
  Atlanta, GA 30303
- **Telephone**: Technical Information: 800.225.6119
  (M)SDS Request: 404.652.5119
- **e-mail**: MSDSREQ@GAPAC.COM
- **Emergency phone number**: Chemtrec - Emergency: 800.424.9300

Importer/Supplier/Distributor
- **Company name**: Georgia-Pacific Canada LP
- **Address**: 350 Argyle Street North
  Caledonia, ON N3W 1M2
- **Telephone**: Technical Information: 800.225.6119
  (M)SDS Request: 404.652.5119
- **e-mail**: MSDSREQ@GAPAC.com
- **Emergency phone number**: Chemtrec - Emergency: 800.424.9300

2. Hazard(s) identification

**Emergency overview**
This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, sanding, or otherwise working with this product that generate large amount of dusts. Those hazards associated with large amount of dusts are described below.

**Physical hazards**
Not classified.

**Health hazards**
- Eye irritation Category 2B
- Not classified.

**Environmental hazards**
Not classified.

**Label elements**
- **Hazard symbol**: None.
- **Signal word**: Warning
- **Hazard statement**: Causes eye irritation.

**Precautionary statement**
- **Prevention**: Wash thoroughly after handling. Observe good industrial hygiene practices.
- **Response**: Wash hands after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- **Storage**: Store away from acids.
- **Disposal**: Dispose of contents/container in accordance with applicable regulations.

**Other hazards**
None known.

**Supplemental information**
None.

3. Composition/information on ingredients

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCULIUM SULFATE DIHYDRATE</td>
<td></td>
<td>10101-41-4</td>
<td>≤ 95</td>
</tr>
<tr>
<td>VERMICULITE****</td>
<td></td>
<td>1318-00-9</td>
<td>0 - 3</td>
</tr>
<tr>
<td>BORIC ACID**</td>
<td></td>
<td>10043-35-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>CONTINUOUS FILAMENT GLASS FIBERS***</td>
<td></td>
<td>65997-17-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>CRYSSTALLINE SILICA (QUARTZ)*</td>
<td></td>
<td>14808-60-7</td>
<td>≤ 0.2</td>
</tr>
</tbody>
</table>

Material name: Paper Faced Gypsum Panels

GP-71A Version #: 02 Revision date: 09-22-2017 Issue date: 04-14-2017
** Composition comments **

Found in products in List B, C and F, Section 1 of this SDS.

*** Found in products in List C, D, E and F, Section 1 of this SDS.

**** Found in products in List E and F, Section 1 of this SDS.

Gypsum (calcium sulfate, dihydrate) contains naturally occurring silica crystalline (quartz), which is listed as a lung carcinogen. See Section 8 for exposure information.

*The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

**Testing conducted by Georgia-Pacific did not detect boric acid during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

4. First-aid measures

** Inhalation **

If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

** Skin contact **

Remove and isolate contaminated clothing and shoes. For skin contact, wash immediately with soap and water. Get medical attention if symptoms occur. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin.

** Eye contact **

Do not rub the eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

** Ingestion **

Rinse mouth. May result in obstruction and irritation if ingested. Get medical attention.

** Most important symptoms/effects, acute and delayed **

Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

** Indication of immediate medical attention and special treatment needed **

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

** General information **

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

** Suitable extinguishing media **

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

** Unsuitable extinguishing media **

None known.

** Specific hazards arising from the chemical **

During fire, gases hazardous to health may be formed.

** Special protective equipment and precautions for firefighters **

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

** Fire fighting equipment/instructions **

Firefighters should wear full protective clothing including self contained breathing apparatus.

** Specific methods **

Use standard firefighting procedures and consider the hazards of other involved materials.

** General fire hazards **

No unusual fire or explosion hazards noted.

6. Accidental release measures

** Personal precautions, protective equipment and emergency procedures **

Avoid inhalation of dust from the spilled material. In the case of dust or aerosol formation use respirator with an approved filter. Use personal protection recommended in Section 8. Keep unnecessary personnel away.

** Methods and materials for containment and cleaning up **

Minimize dust generation. Sweep up or gather material and place in an appropriate container for disposal. Utilize wet methods, if appropriate, to minimize dust. For waste disposal, see section 13 of the SDS.

** Environmental precautions **

Keep out of drains, sewers, ditches, and waterways.
7. Handling and storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Minimise dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Avoid prolonged exposure. Observe good industrial hygiene practices. Use only in well-ventilated areas. Do not eat or drink while using the product. Wash hands before eating, drinking or smoking.

Conditions for safe storage, including any incompatibilities

Store level and keep dry. Dewpoint or other conditions causing the presence of moisture can damage the product during storage. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

**ACGIH** Components | Type | Value | Form
---|---|---|---
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) | TWA | 5 mg/m³ | Inhalable fraction.

**US ACGIH Threshold Limit Values: Short Term Exposure Limit (STEL): mg/m³** Components | Type | Value | Form
---|---|---|---
BORIC ACID** (CAS 10043-35-3) | STEL | 6 mg/m³ | Inhalable fraction.

**US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m³, non-standard units** Components | Type | Value | Form
---|---|---|---
BORIC ACID** (CAS 10043-35-3) | TWA | 2 mg/m³ | Inhalable fraction.
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) | TWA | 10 mg/m³ | Inhalable fraction.
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) | TWA | 1 fibers/cm³ | Fiber.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) | TWA | 0.025 mg/m³ | Respirable fraction.

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) Components | Type | Value | Form
---|---|---|---
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) | TWA | 10 mg/m³ | 
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) | TWA | 0.2 fibers/cm³ | Fiber.
CRYSSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) | TWA | 5 mg/m³ | Fiber, total
 | | 5 mg/m³ | Total particulate.
 | | 0.025 mg/m³ | Respirable particles.
VERMICULITE**** (CAS 1318-00-9) | TWA | 3 mg/m³ | Respirable particles.
 | | 10 mg/m³ | Total particulate.

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) Components | Type | Value | Form
---|---|---|---
BORIC ACID** (CAS 10043-35-3) | STEL | 6 mg/m³ | Inhalable
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) | TWA | 20 mg/m³ | Total dust.
 | STEL | 2 mg/m³ | Inhalable
### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<table>
<thead>
<tr>
<th>Components</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.2 fibers/cm³</td>
<td>Fiber.</td>
</tr>
<tr>
<td>CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fibers.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>VERMICULITE**** (CAS 1318-00-9)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

<table>
<thead>
<tr>
<th>Components</th>
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<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORIC ACID** (CAS 10043-35-3)</td>
<td>STEL</td>
<td>6 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)</td>
<td>TWA</td>
<td>1 fibers/cm³</td>
<td>Fiber.</td>
</tr>
<tr>
<td>CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

### Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)</td>
<td>TWA</td>
<td>0.5 fibers/mL</td>
<td>Respirable fibers.</td>
</tr>
<tr>
<td>CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>VERMICULITE**** (CAS 1318-00-9)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

### Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 fibers/cm³n</td>
<td>Fiber.</td>
</tr>
<tr>
<td>CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>VERMICULITE**** (CAS 1318-00-9)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

### Biological limit values

No biological exposure limits noted for the ingredient(s).
Exposure guidelines

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

*Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

**Testing conducted by Georgia-Pacific did not detect boric acid during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

Appropriate engineering controls

Score and snap method recommended. When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses or goggles are recommended when using this product. Eye wash fountain is recommended.

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Other

Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Safety shower/eye wash fountain is recommended in the workplace area.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Keep away from food and drink.

9. Physical and chemical properties

Appearance

Paper faced gypsum boards

Physical state

Solid.

Form

Solid.

Colour

Facing color varies

Odour

Odorless

Odour threshold

Not available.

pH

7

Melting point/freezing point

1450 °C (2642 °F) estimated

Initial boiling point and boiling range

Not applicable

Flash point

Not applicable

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not applicable

Flammability limit - upper (%)

Not applicable

Explosive limit - lower (%)

Not available.

Explosive limit – upper (%)

Not available.

Vapour pressure

Not applicable
Vapour density: Not applicable
Relative density: 2.2 - 2.4 g/cm³

Solubility:
Solubility (water): 0.2% @ 22°C
Partition coefficient (n-octanol/water): Not applicable

Auto-ignition temperature: Not applicable
Decomposition temperature: Not available.
Viscosity: Not applicable

Other information:
Flash point class: Not flammable
Specific gravity: 2.2 - 2.4

10. Stability and reactivity
Reactivity: Contact with strong acids produces carbon dioxide.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Incompatible materials: Acids.

Hazardous decomposition products: May include and are not limited to: calcium oxide and sulfur dioxide.

11. Toxicological information

Information on likely routes of exposure:
Inhalation: Inhalation of dusts may cause respiratory irritation.
Skin contact: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact: Dust in the eyes will cause irritation.
Ingestion: Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested

Symptoms related to the physical, chemical and toxicological characteristics:
Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Direct contact with eyes may cause temporary irritation.

Information on toxicological effects:

Acute toxicity:

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORIC ACID** (CAS 10043-35-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Rat</td>
<td>&gt; 2 mg/l, 4 Hours</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>2660 mg/kg</td>
<td></td>
</tr>
<tr>
<td>CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Rat</td>
<td>&gt; 1581 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation: Dust in the eyes will cause irritation.

Respiratory or skin sensitisation:
Canada - Alberta OELs: Irritant
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) Irritant
Respiratory sensitisation
Not likely to cause respiratory sensitization.

Skin sensitisation
This product is not expected to cause skin sensitisation.

Germ cell mutagenicity
Not classified.

Carcinogenicity
Not expected to be hazardous by OSHA/WHMIS criteria.

Exposure to respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by IARC and NTP as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to a respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of respirable crystalline silica exposure and the length of time (usually years) of exposure.

ACGIH Carcinogens
BORIC ACID** (CAS 10043-35-3) A4 Not classifiable as a human carcinogen.
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) A2 Suspected human carcinogen.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) Suspected human carcinogen.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity
BORIC ACID** (CAS 10043-35-3) Not classifiable as a human carcinogen.
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) Not classifiable as a human carcinogen.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) Suspected human carcinogen.

Canada - Quebec OELs: Carcinogen category
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) Detected carcinogenic effect in animals.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) 1 Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3) Reasonably Anticipated to be a Human Carcinogen.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7) Known To Be Human Carcinogen.

Reproductive toxicity
Not classified.

Specific target organ toxicity
- single exposure
Not classified.

Specific target organ toxicity
- repeated exposure
Not classified.

Aspiration hazard
Not classified.

Chronic effects
Not hazardous under normal conditions of use.

Further information
*Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

12. Ecological information

Ecotoxicity
Contains a substance which causes risk of hazardous effects to the environment. Not considered to be harmful to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORIC ACID** (CAS 10043-35-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia 766.5 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Razorback sucker (Xyrauchen texanus) &gt; 100 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
Components Test results Species

CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)

Aquatic
Acute
Fish LC50 Fathead minnow (Pimephales promelas) > 1970 mg/l, 96 hours

CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)

Aquatic
Acute
Fish LC50 Zebra danio (Danio rerio) > 1000 mg/l, 96 hours ECHA

CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)

Aquatic
Acute
Fish LC50 Zebra danio (Danio rerio) > 10000 mg/l, 96 Hours OECD SIDS

Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No data available.
Mobility in soil No data available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations
Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations Dispose in accordance with all applicable regulations.
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products Dispose of in accordance with local regulations.
Contaminated packaging Not available.

14. Transport information
TDG Not regulated as dangerous goods.
IATA Not regulated as dangerous goods.
IMDG Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information
Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act Not regulated.
Export Control List (CEPA 1999, Schedule 3) Not listed.
Greenhouse Gases Not listed.
Precursor Control Regulations Not regulated.
International regulations
Stockholm Convention Not applicable.
Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)
CONTINUOUS FILAMENT GLASS FIBERS*** (CAS 65997-17-3)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 04-14-2017
Revision date 09-22-2017
Version No. 02
Further information
HMIS® is a registered trade and service mark of the NPCA.

Disclaimer
This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.

Revision information
Product and Company Identification: Product Codes
Accidental release measures: Methods and materials for containment and cleaning up
Handling and storage: Conditions for safe storage, including any incompatibilities
GHS: Classification