1 Identification

- Product identifier
  - Trade name: Techstyle Acoustical Panels
  - Other means of identification:
    - Techstyle Color Interior Ceiling and Wall Panels
    - Techstyle Custom Interior Ceiling and Wall Panels
    - Techstyle Felt Interior Ceiling and Wall Panels
    - Techstyle White Interior Ceiling and Wall Panels
    - Techstyle Wood Interior Ceiling and Wall Panels

- Recommended use and restriction on use
  - Recommended use: Contact manufacturer/supplier
  - Restrictions on use: No relevant information available.

- Details of the supplier of the Safety Data Sheet
  - Manufacturer/Supplier:
    - CertainTeed Ceilings
    - 20 Moores Road
    - Malvern, PA 19355
    - 800-233-8990
    - www.certainTeed.com/ceilings
    - CertainTeed-EHS@saint-gobain.com
  - Emergency telephone number:
    - ChemTel
      - (800)255-3924 (North America)
      - 1 (813)248-0585 (International)
      - 1-300-954-583 (Australia)
      - 0-800-591-6042 (Brazil)
      - 400-120-0751 (China)
      - 000-800-100-4086 (India)
      - 800-099-0731 (Mexico)

2 Hazard(s) identification

- Classification of the substance or mixture
  - The product is not classified as hazardous according to the Globally Harmonized System (GHS).

- Label elements
  - GHS label elements: Not regulated.
  - Hazard pictograms: Not regulated.
  - Signal word: Not regulated.
  - Hazard statements: Not regulated.
  - Precautionary statements: Not regulated.

- Other hazards
  - There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

Components:

(Cont'd. on page 2)
Trade name: Techstyle Acoustical Panels

- 21645-51-2 Aluminium hydroxide <55%
- 1317-65-3 Limestone <40%
- 14808-60-7 Quartz <15%
- 12001-26-2 Mica <10%
- 13463-67-7 Titanium dioxide <5%
- 1332-58-7 Kaolin <5%

Additional information:
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.
Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for quartz and TiO2 note that the substance must be respirable.

4 First-aid measures

- Description of first aid measures
  - After inhalation:
    Unlikely route of exposure.
    Supply fresh air; consult doctor in case of complaints.
  - After skin contact:
    Brush off loose particles from skin.
    Wash with soap and water.
    If skin irritation or rash occurs: Get medical advice/attention.
  - After eye contact:
    Remove contact lenses if worn, if possible.
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    Unlikely route of exposure.
    Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed: No relevant information available.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, extinguishing powder or water spray. Fight larger fires with water spray.
  - For safety reasons unsuitable extinguishing agents: None.
  - Special hazards arising from the substance or mixture
    Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

- Protective equipment:
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Avoid formation of dust.
  Do not breathe dust.
  Use personal protective equipment as required.
- **Environmental precautions** No special measures required.

Methods and material for containment and cleaning up

Pick up mechanically.
Send for recovery or disposal in suitable receptacles.

- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- **Handling**
  Precautions for safe handling:
  Prevent formation of dust.
  Handle with care.

- **Conditions for safe storage, including any incompatibilities**
  Requirements to be met by storerooms and receptacles:
  Storage area should be dry and well-ventilated.

Information about storage in one common storage facility:
No relevant information available.

Specific end use(s):
No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

<table>
<thead>
<tr>
<th>Component</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td>21645-51-2 Aluminium hydroxide</td>
<td>Long-term value: 2 mg/m³ as Al</td>
<td>Long-term value: 1* mg/m³ as Al; as respirable fraction</td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td>PEL (USA)</td>
<td>Long-term value: 15* 5** mg/m³</td>
<td>Long-term value: 10* 5** mg/m³</td>
<td>TLV withdrawn</td>
</tr>
</tbody>
</table>

(Cont’d. on page 4)
### Trade name: Techstyle Acoustical Panels

<table>
<thead>
<tr>
<th>Compound</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
<th>EL (Canada)</th>
<th>EV (Canada)</th>
<th>LMPE (Mexico)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>12001-26-2 Mica</strong></td>
<td>Long-term value: 20 mppcf ppm &lt;1% crystalline silica</td>
<td>Long-term value: 3* mg/m³ *respirable dust; containing &lt; 1% quartz</td>
<td>Long-term value: 3* mg/m³ *as respirable fraction</td>
<td>Long-term value: 3 mg/m³</td>
<td>Long-term value: 3(D) mg/m³ respirable</td>
<td>Long-term value: 3* mg/m³ *fracción respirable</td>
</tr>
<tr>
<td><strong>13463-67-7 Titanium dioxide</strong></td>
<td>Long-term value: 15* mg/m³ *total dust</td>
<td>See Pocket Guide App. A</td>
<td>Long-term value: 10 mg/m³</td>
<td>Long-term value: 10* 3** mg/m³ *total dust,**respirable fraction; IARC 2B</td>
<td>Long-term value: 10 mg/m³ total dust</td>
<td>Long-term value: 10 mg/m³ A4</td>
</tr>
<tr>
<td><strong>1332-58-7 Kaolin</strong></td>
<td>Long-term value: 15* 5** mg/m³ *total dust **respirable fraction</td>
<td>Long-term value: 10* 5** mg/m³ *total dust **respirable fraction</td>
<td>Long-term value: 2* mg/m³ E; as respirable fraction</td>
<td>Long-term value: 2 mg/m³</td>
<td>Long-term value: 2(D) mg/m³ respirable</td>
<td></td>
</tr>
</tbody>
</table>
9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance:**
  - **Form:** Solid
  - **Color:** According to product specification
  - **Odor:** Nearly odorless
  - **Odor threshold:** Not determined.

- **pH-value:** Not applicable.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.

- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
- **Oxidizing properties:** Non-oxidizing.

- **Vapor pressure:** Not applicable.

- **Density**
  - **Relative density:** Not determined.
  - **Vapor density:** Not applicable.
  - **Evaporation rate:** Not applicable.
10 Stability and reactivity

- **Reactivity**: The product is non-reactive under normal conditions of use, storage and transport.
- **Chemical stability**: Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided**: No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**: Reacts with strong acids and alkali. Reacts with strong oxidizing agents.
- **Conditions to avoid**: Prevent formation of dust.
- **Incompatible materials**: Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**: Under fire conditions only: Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**: Based on available data, the classification criteria are not met.
  - **LD/LC50 values that are relevant for classification**: None.
  - **Primary irritant effect**:
    - **On the skin**: Mechanical irritation only. Based on available data, the classification criteria are not met.
    - **On the eye**: Mechanical irritation only. Based on available data, the classification criteria are not met.
  - **Sensitization**: Based on available data, the classification criteria are not met.
  - **IARC (International Agency for Research on Cancer)**: Present in trace quantities: 50-00-0, 140-88-5, 75-21-8, 107-13-1, 123-91-1.

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>1</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
<td>2B</td>
</tr>
<tr>
<td>50-00-0</td>
<td>Formaldehyde</td>
<td>1</td>
</tr>
<tr>
<td>140-88-5</td>
<td>ethyl acrylate</td>
<td>2B</td>
</tr>
<tr>
<td>75-21-8</td>
<td>Ethylene oxide</td>
<td>1</td>
</tr>
<tr>
<td>107-13-1</td>
<td>acrylonitrile</td>
<td>2B</td>
</tr>
</tbody>
</table>
Trade name: Techstyle Acoustical Panels

- **NTP (National Toxicology Program):**
  Present in trace quantities: 75-21-8, 107-13-1, 123-91-1.

- **OSHA-Ca (Occupational Safety & Health Administration):**
  Present in trace quantities.

- **Probable route(s) of exposure:**
  Eye contact.
  Skin contact.

- **Repeated dose toxicity:**
  Long-term inhalation of silica dusts may cause obstructive pulmonary disease including silicosis.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:**
  Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity** No relevant information available.
  - **Persistence and degradability** No relevant information available.
  - **Bioaccumulative potential:** No relevant information available.
  - **Mobility in soil:** No relevant information available.
  - **Other adverse effects** No relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    Smaller quantities can be disposed of with household waste.

  The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
## 14 Transport information

- **UN-Number**
  - DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.
- **UN proper shipping name**
  - DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.
- **Transport hazard class(es)**
  - DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.
- **Packing group**
  - DOT, ADR/RID/ADN, IMDG, IATA: Not regulated.
- **Environmental hazards**
  - Marine pollutant: No
- **Special precautions for user**
  - Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
    - **SARA**
      - **Section 302 (extremely hazardous substances):**
        - None of the ingredients are listed.
      - **Section 313 (Specific toxic chemical listings):**
        - None of the ingredients are listed.
    - **TSCA (Toxic Substances Control Act)**
      - All ingredients are listed or exempt.
- **Proposition 65 (California)**
- **Chemicals known to cause cancer:**
  - Reference to quartz and TiO2 is based on unbound respirable particles and is not generally applicable to product as supplied.
  - Present in trace quantities: 50-00-0, 140-88-5, 75-21-8, 107-13-1, 123-91-1.

<table>
<thead>
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<th>Chemical</th>
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</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
</tr>
</tbody>
</table>
Trade name: Techstyle Acoustical Panels

140-88-5 ethyl acrylate
75-21-8 Ethylene oxide
107-13-1 acrylonitrile
123-91-1 1,4-dioxane

- Chemicals known to cause developmental toxicity for females:
  Present in trace quantities.
  75-21-8 Ethylene oxide

- Chemicals known to cause developmental toxicity for males:
  Present in trace quantities.
  75-21-8 Ethylene oxide

- Chemicals known to cause developmental toxicity:
  Present in trace quantities.
  75-21-8 Ethylene oxide

- EPA (Environmental Protection Agency):
  None of the ingredients are listed.

- IARC (International Agency for Research on Cancer):
  Present in trace quantities: 50-00-0, 140-88-5, 75-21-8, 107-13-1, 123-91-1.
  14808-60-7 Quartz 1
  13463-67-7 Titanium dioxide 2B
  50-00-0 Formaldehyde 1
  140-88-5 ethyl acrylate 2B
  75-21-8 Ethylene oxide 1
  107-13-1 acrylonitrile 2B
  123-91-1 1,4-dioxane 2B

- Canadian Domestic Substances List (DSL):
  All ingredients are listed or exempt.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Abbreviations and acronyms:
  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  OSHA: Occupational Safety & Health Administration

- Sources
  Website, European Chemicals Agency (echa.europa.eu)
  Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
  Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
<table>
<thead>
<tr>
<th>Trade name: Techstyle Acoustical Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Data Sheets, Individual Manufacturers</td>
</tr>
<tr>
<td>SDS Prepared by: ChemTel</td>
</tr>
<tr>
<td>1305 North Florida Avenue</td>
</tr>
<tr>
<td>Tampa, Florida USA 33602-2902</td>
</tr>
<tr>
<td>Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573</td>
</tr>
<tr>
<td>Website: <a href="http://www.chemtel.com">www.chemtel.com</a></td>
</tr>
</tbody>
</table>