1 Identification

- Product identifier
  - Trade name: Glasbase™ Base Sheet
  - Other means of identification: Asphalt rolled roofing membrane

- Recommended use and restriction on use
  - Recommended use: Asphalt membrane used for weatherproofing
  - Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

- Manufacturer/Supplier:
  CertainTeed Corporation
  20 Moores Road
  Malvern, PA 19355
  610-893-6000
  www.certainteed.com
  CertainTeed-EHS@saaint-gobain.com

- Emergency telephone number:
  ChemTel Inc.
  (800)255-3924 (North America)
  +1 (813)246-0585 (International)
  1-300-954-583 (Australia)
  0-800-591-6042 (Brazil)
  400-120-0751 (China)
  000-800-100-4086 (India)
  01-800-099-0731 (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.

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures

<table>
<thead>
<tr>
<th>Components</th>
<th>Description</th>
<th>Classification</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>Carc. 2, H351</td>
<td>25-50%</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>Carc. 1A, H350</td>
<td>20-40%</td>
</tr>
</tbody>
</table>

Additional information:
Non-classification as a carcinogen is based on non-respirable form of product.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

(Cont'd. on page 2)
4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:**
    Respiration of particulates is unlikely during normal usage.
    Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**
    Wash with soap and water.
    If skin irritation is experienced, consult a doctor.
  - **After eye contact:**
    Remove contact lenses if worn.
    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:**
    Headache
    Breathing difficulty
    Coughing
  - **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**
  Ensure adequate ventilation.
  Use personal protective equipment as required.
  Avoid formation of dust.
  Avoid breathing dust.
- **Environmental precautions**
  Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up**
  Pick up mechanically.

(Cont’d. on page 3)
Trade name: Glasbase™ Base Sheet

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:**
    - Use only outdoors or in a well-ventilated area.
    - Prevent formation of dust.
    - Avoid breathing dust.

- **Information about protection against explosions and fires:**
  - Keep ignition sources away - Do not smoke.

- **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:** Store away from foodstuffs.

- **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

### Control parameters

- **Components with limit values that require monitoring at the workplace:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL (USA)</td>
<td>Ceiling limit value: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*15-min; See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*inhalable fraction; as benzene-soluble aerosol; BEIP</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*oxidized; IARC 2A: straight-run</td>
</tr>
<tr>
<td>EV (Canada)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*inhalable aerosol, inhaled</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
<td>Long-term value: 0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*fumes, as benzene-soluble aerosol, inhaled</td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO₂)</td>
<td>Long-term value: 0.05 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*respirable dust; See Pocket Guide App. A</td>
</tr>
<tr>
<td>REL (USA)</td>
<td>Long-term value: 0.05 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*respirable dust; See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV (USA)</td>
<td>Long-term value: 0.025 mg/m³</td>
</tr>
<tr>
<td></td>
<td>*as respirable fraction</td>
</tr>
<tr>
<td>EL (Canada)</td>
<td>Long-term value: 0.025 mg/m³</td>
</tr>
<tr>
<td></td>
<td>ACGIH A2; IARC 1</td>
</tr>
</tbody>
</table>

(Cont'd. on page 4)
**Safety Data Sheet**  
Acc. to OSHA HCS (29 CFR 1910.1200)  

**Trade name: Glasbase™ Base Sheet**

<table>
<thead>
<tr>
<th>Country</th>
<th>Standard</th>
<th>Limit Value</th>
<th>Note</th>
</tr>
</thead>
</table>
| EV (Canada)| Long-term value: 0.10\(*\) mg/m³  
*respirable fraction  |
| LMPE (Mexico)| Long-term value: 0.025\(*\) mg/m³  
A2, *fracción respirable  |

**1317-65-3 Limestone**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Limit Value</th>
<th>Note</th>
</tr>
</thead>
</table>
| PEL (USA)| Long-term value: 15\(*\) 5\(**\) mg/m³  
*total dust **respirable fraction  |
| REL (USA)| Long-term value: 10\(*\) 5\(**\) mg/m³  
*total dust **respirable fraction  |
| TLV (USA)| TLV withdrawn     |                               |

**Ingredients with biological limit values:**

**8052-42-4 Asphalt**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Limit Value</th>
<th>Note</th>
</tr>
</thead>
</table>
| BEI (USA)| Medium: urine  
Time: end of shift at end of workweek  
Parameter: 1-Hydroxypterylene with hydrolysis (nonquantitative)  |                               |

**Exposure controls**

• **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.

• **Engineering controls:** No relevant information available.

• **Breathing equipment:**
Not required under normal conditions of use.  
Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

• **Protection of hands:**

  ![Protective gloves](image)

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Eye protection:**

  ![Safety glasses](image)

  Follow relevant national guidelines concerning the use of protective eyewear.

• **Body protection:** Protective work clothing

• **Limitation and supervision of exposure into the environment**
Avoid release to the environment.

• **Risk management measures** No relevant information available.

(Cont'd. on page 5)
### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **Appearance:**
    - Form: Solid material
    - Color: Black
    - Odor: Petroleum-like
    - 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):** Not determined.
  - **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 determined.
  - **Density**
    - Relative density: Not determined.
    - Vapor density: Not determined.
    - Evaporation rate: Not applicable.
  - **Solubility in / Miscibility with Water:** Insoluble.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity**
    - Dynamic: Not applicable.
    - Kinematic: Not applicable.
  - **Other information**
    - No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **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**
  Toxic fumes may be released if heated above the decomposition point.
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification: None.
  - Primary irritant effect:
    - On the skin: Based on available data, the classification criteria are not met.
    - On the eye: Based on available data, the classification criteria are not met.
  - Sensitization: Based on available data, the classification criteria are not met.
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer):
      Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4 Asphalt</td>
<td>2B</td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>1</td>
</tr>
</tbody>
</table>

- NTP (National Toxicology Program):
  - 14808-60-7 Quartz (SiO2) | K |

- OSHA-Ca (Occupational Safety & Health Administration):
  None of the ingredients are listed.

- Probable route(s) of exposure:
  - Eye contact.
  - Skin contact.
- 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.
  - Additional ecological information

(Cont'd. on page 7)
Safety Data Sheet
Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: August 02, 2018
Revision: August 02, 2018

Trade name: Glasbase™ Base Sheet

(Cont'd. of page 6)

- General notes: Do not allow product to reach ground water, water course or sewage system.
- Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    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
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: Not regulated.
- UN proper shipping name
  - DOT, ADR, IMDG, IATA: Not regulated.
- Transport hazard class(es)
  - DOT, ADR, IMDG, IATA: Not regulated.
- Packing group
  - DOT, ADR, 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 355 (extremely hazardous substances):
      (Cont'd. on page 8)
Trade name: Glasbase™ Base Sheet

<table>
<thead>
<tr>
<th>Section 313 (Specific toxic chemical listings):</th>
<th>(Cont’d. of page 7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

**TSCA (Toxic Substances Control Act)**

<table>
<thead>
<tr>
<th>Proposition 65 (California)</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause cancer:</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference to Crystalline Silica and/or Quartz is based on unbound respirable particles and is not generally applicable to product as supplied.</td>
<td></td>
</tr>
</tbody>
</table>

| 8052-42-4 Asphalt               | 14808-60-7 Quartz (SiO2) |

<table>
<thead>
<tr>
<th>Chemicals known to cause developmental toxicity for females:</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause developmental toxicity for males:</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemicals known to cause developmental toxicity:</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None of the ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EPA (Environmental Protection Agency):</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ingredients are listed.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer):</th>
<th>(Cont’d. of page 9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.</td>
<td></td>
</tr>
</tbody>
</table>

| 8052-42-4 Asphalt | 14808-60-7 Quartz (SiO2) |

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.

**Date of preparation / last revision** August 02, 2018 / -

**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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Carc. 1A: Carcinogenicity – Category 1A
Carc. 2: Carcinogenicity – Category 2

**Sources**

(Cont’d. on page 9)
Trade name: Glasbase™ Base Sheet

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)
978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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