Section 1: Identification

Product name: Premium Unbonded Blowing Wools CT10093-8

Synonyms: InsulSafe®; InsulSafe®SP; InsulSafe®XC; Northern White; OPTIMA®; TrueComfort™; TrueComfort™ - Canada

Product Literature Code: 30-24-235.

Recommended use: Thermal Insulation

Manufacturer: CertainTeed Corporation
20 Moores Road
Malvern, PA 19355
United States
www.certainteed.com
CertainTeed-EHS@saint-gobain.com

Telephone (General): 610-893-6000

Emergency telephone number
Manufacturer: 800-424-9300 - CHEMTREC

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture
OSHA HCS 2012: Not classified

Label elements
OSHA HCS 2012:
Hazard statements: No label element(s) required

Other hazards
OSHA HCS 2012:
This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada
According to: WHMIS

Classification of the substance or mixture
WHMIS: Not classified

Label elements
WHMIS
- No label element(s) required.

Other hazards
WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

Substances
- Material does not meet the criteria of a substance.

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>CAS:65997-17-3</td>
<td>&lt;= 99%</td>
<td>NDA</td>
<td>OSHA HCS 2012: Not Classified</td>
<td>NDA</td>
</tr>
<tr>
<td>Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment)</td>
<td>CAS:64742-65-0</td>
<td>&lt;= 2.7%</td>
<td>Ingestion/Oral-Rat LD50 • &gt;5000 mg/kg Skin-Rabbit LD50 • &gt;5000 mg/kg</td>
<td>OSHA HCS 2012: Not Classified</td>
<td>NDA</td>
</tr>
<tr>
<td>Hydrotreated heavy paraffinic petroleum distillate (highly refined)</td>
<td>CAS:64742-54-7</td>
<td>&lt;= 2.7%</td>
<td>NDA</td>
<td>OSHA HCS 2012: Asp. Tox. 1</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Description of first aid measures

Inhalation
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye
- 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.

Ingestion
- Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.

Most important symptoms and effects, both acute and delayed
- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media
Suitable Extinguishing Media: In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media: No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Product does not support combustion.

Hazardous Combustion Products: A non-hazardous mineral oil dust suppressant additive in the product may emit carbon monoxide as a decomposition product.

Advice for firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stay upwind. Keep out of low areas. Keep unauthorized personnel away.

Environmental precautions: No special precautions necessary.

Methods and material for containment and cleaning up

Containment/Clean-up Measures: Vacuum dust deposits. Avoid generating dust during clean-up.

Section 7 - Handling and Storage

Precautions for safe handling

Handling: Do not breathe dust from this material. Keep this product from heat, sparks, or open flame. Use this product with adequate ventilation. Always wash work clothes separately from other clothing. Wipe out the washer or sink to prevent loose glass fibers from getting on other clothing. Wash thoroughly after handling. Use personal protective equipment as described in Section 8.

Conditions for safe storage, including any incompatibilities

Storage: Store in a well-ventilated place. Keep container tightly closed.

Section 8 - Exposure Controls/Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits/Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Result</td>
</tr>
<tr>
<td>1 fiber/cm3 TWA (respirable fibers: length &gt;5 µm,</td>
</tr>
</tbody>
</table>
Exposure Control Notations
ACGIH
- Glass, oxide, chemicals as Glass wool fiber: Carcinogens: (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Synthetic vitreous fibers))
### Section 10: Stability and Reactivity

**Reactivity**

- No dangerous reaction known under conditions of normal use.

**Chemical stability**

- Stable under normal conditions of use.

**Possibility of hazardous reactions**

- Hazardous polymerization not indicated.

**Conditions to avoid**

- Incompatible materials.

**Incompatible materials**

- Hydrofluoric acid.

**Hazardous decomposition products**

- A non-hazardous mineral oil dust suppressant additive in the product may emit carbon monoxide as a decomposition product.

### Section 11 - Toxicological Information

**Information on toxicological effects**

**Other Material Information**

- A properly fitted NIOSH (American National Institute For Occupational Safety And Health) approved disposable N 95 series dust respirator such as type 3M 8210 (formerly 8710) or 3M 8271 (formerly 9900) respirators should be used under any dust environment or during a process that generates dusts. Use respiratory protection in accordance with the respiratory protection program of your company, local regulations and OSHA regulations under 29 CFR 1910.134.

### Components

<table>
<thead>
<tr>
<th>Glass, oxide, chemicals (&lt;= 99%)</th>
<th>65997-17-3</th>
<th>Tumorigen / Carcinogen: Inhalation-Rat TCLo • 5 mg/m³ 7 Hour(s) 90 Week(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Blood:Leukemia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) (&lt;= 2.7%)</td>
<td>64742-65-0</td>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • &gt;5000 mg/kg; Skin-Rabbit LD50 • &gt;5000 mg/kg; Tumorigen / Carcinogen: Skin-Mouse • 389 g/kg 78 Week(s)-Intermittent; Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Skin and Appendages:Other:Tumors; Tumorigenic:Tumors at site of application</td>
</tr>
<tr>
<td>Hydrotreated heavy paraffinic petroleum distillate (highly refined) (&lt;= 2.7%)</td>
<td>64742-54-7</td>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • &gt;15 g/kg; Skin-Rabbit LD50 • &gt;5 g/kg; Multi-dose Toxicity: Inhalation-Rat TCLo • 1000 mg/m³ 4 Week(s)-Intermittent; Lungs, Thorax, or Respiration:Changes in lung weight</td>
</tr>
</tbody>
</table>

### GHS Properties

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Potential Health Effects

Inhalation

**Acute (Immediate)**
- The dust from this material may cause respiratory irritation.

**Chronic (Delayed)**
- Use of these products has not been shown to cause cancer in humans. Fiber glass wool is a possible cancer hazard. Fiber glass wool has caused cancer in animals but has not produced cancer by inhalation.

Skin

**Acute (Immediate)**
- Temporary irritation of the skin may occur in some individuals.

**Chronic (Delayed)**
- Data lacking.

Eye

**Acute (Immediate)**
- Contact with the eyes may cause irritation due to the abrasive action of the dust. Not expected to cause prolonged or significant eye irritation. Material is dusty and may scratch the surface of the eye.

**Chronic (Delayed)**
- Data lacking.

Ingestion

**Acute (Immediate)**
- Unlikely. Contact physician if unusual reaction is noted.

**Chronic (Delayed)**
- Data lacking.

Carcinogenic Effects

This product contains glass wool insulation fibers. Following a thorough review of all the medical-scientific data available at a meeting in October 2001, the IARC panel lowered the classification for glass wool insulation fibers from a Group 2B classification ("possibly carcinogenic to humans") to a Group 3 classification ("not classifiable as to carcinogenicity to humans"). According to IARC, there is "no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacturing of these materials, and inadequate evidence overall of any cancer risk."

<table>
<thead>
<tr>
<th>Carcinogenic Effects</th>
<th>CAS</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals as Glass wool fiber</td>
<td>NDA</td>
<td>Reasonably Anticipated to be Human Carcinogen</td>
</tr>
</tbody>
</table>

Key to abbreviations

LD = Lethal Dose
TC = Toxic Concentration
Toxicity

- Binder-coated fiber glass is hydrophobic, therefore, no adverse environmental effects would be expected if this product were accidentally released in the water or soil. No harm to fish or wildlife would be caused by this product.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

Ecological Fate

- Material data lacking.

Other Information

- CertainTeed’s residential fiber glass insulation batts meet GREENGUARD Emission Standards. CertainTeed's certification confirms compliance with GREENGUARD Emission Standards, which are based on criteria used by the State of Washington, the U.S. Environmental Protection Agency (EPA), OSHA and the World Health Organization for total particulate and Volatile Organic Compounds (VOC) emissions. Additionally, CertainTeed’s residential fiber glass insulation products meet the following emission criteria: California Section CA1350 material specification for schools and offices; OSHA Purchase Specification; State of Washington; EPA; and Proposed State of California. CertainTeed’s residential fiber glass insulations also meet the EPA Recovered Material Guideline for recycled content.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- None
### State Right To Know

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>No</td>
</tr>
<tr>
<td>Hydrotreated heavy paraffinic petroleum distillate (highly refined)</td>
<td>64742-54-7</td>
<td>No</td>
</tr>
<tr>
<td>Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>No</td>
</tr>
<tr>
<td>(mild or nosolvent-refining or hydrotreatment)</td>
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</table>

### Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
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<tr>
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<td>No</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Canada

#### Labor

**Canada - WHMIS - Classifications of Substances**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**Canada - WHMIS - Ingredient Disclosure List**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

### Environment

**Canada - CEPA - Priority Substances List**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

### United States
### Labor

#### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - OSHA - Specifically Regulated Chemicals

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

### Environment

#### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

#### U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed
**United States - California**

**Environment**

**U.S. - California - Proposition 65 - Carcinogens List**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**United States - Pennsylvania**

**Labor**

**U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances**
- Hydrotreated heavy paraffinic petroleum distillate (highly refined) 64742-54-7 Not Listed
- Glass, oxide, chemicals 65997-17-3 Not Listed
- Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (mild or nosolvent-refining or hydrotreatment) 64742-65-0 Not Listed

**Section 16 - Other Information**
Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to abbreviations
NDA = No Data Available