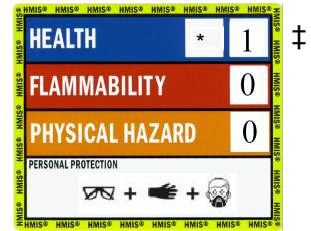


**(Material) Safety Data Sheet**



**Section 1 - Product and Company Identification**

- Material Name**                     ▪ **Residential Building Insulation - Sustainable Insulation™**
- MSDS No.**                         ▪ CT10144-5
- Product Description**             ▪ Fiber Glass Insulation.
- Product Use**                       ▪ Acoustical & Thermal Insulation.
- Synonyms**                         ▪ Basement Wall Insulation; Building Insulation (Unfaced & Kraft Faced); CertaSound™ Acoustical Insulation (Kraft & Unfaced); Commercial Blanket; Commercial Board Insulation; EverTherm; EZR Fiber Glass Insulation™; Flame -Resistant Class A (PSK-25); Flame-Resistant Class A (PSK-25) Fiber Glass Building Insulation; Flame -Resistant Foil Building Insulation (FSK-25); Foil-Faced Building Insulation; Masonry Wall Batts; Noise Reducer™ Sound Batts; Right Size; Sound Batts; SpeedyR™; SpeedyR™ Bandit; UltraTherm® Blowing Insulation
  
- Manufacturer**                    ▪ CertainTeed Corporation  
750 E. Swedesford Road  
P.O. Box 860 Valley Forge, PA 19482-0105  
United States  
www.certainteed.com  
CertainTeed - EHS@saint-gobain.com
  
- Telephone**
- General**                             ▪ 610-341-7000
- Emergency**                         ▪ 800-527-3887
  
- Preparation Date**                 ▪ 10/15/2004
- Last Revision Date**               ▪ 04/29/2011

**Key to abbreviations**  
‡ = HMIS is a registered trademark of the American Coatings Association

**Section 2 - Hazards Identification**

**Emergency Overview**

**DANGER**

Causes eye irritation. Causes mild skin irritation. May cause cancer via Inhalation. May cause damage to organs through prolonged or repeated exposure .

**Prevention**                     Do not breathe dust, fume, gas, mist, vapours and/or spray. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Response**                     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. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

**Storage/Disposal** Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



*This product may cause temporary irritation to the upper respiratory system, eyes, and skin. Avoid inhalation, skin and eye contact as temporary irritation may occur. Wear appropriate personal protective equipment as described in Section 8.*

- |                      |                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical Form</b> | ▪ Solid                                                                                                                                                |
| <b>Color</b>         | ▪ Yellow                                                                                                                                               |
| <b>Odor</b>          | ▪ Faint resin odor.                                                                                                                                    |
| <b>OSHA</b>          | ▪ Irritant, Carcinogen                                                                                                                                 |
| <b>WHMIS</b>         | ▪ Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B |



- |            |                                                                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EU</b>  | ▪ None                                                                                                                                                                                         |
| <b>GHS</b> | ▪ Specific Target Organ Toxicity Repeated Exposure - Category 2, Skin<br>Corrosion/Irritation - Category 3, Serious Eye Damage, Eye Irritation - Category 2B,<br>Carcinogenicity - Category 1B |

- |                                                  |                                    |
|--------------------------------------------------|------------------------------------|
| <b>Route Of Entry</b>                            | ▪ Inhalation, Skin, Eye, Ingestion |
| <b>Target Organs</b>                             | ▪ Skin, Lungs                      |
| <b>Medical Conditions Aggravated by Exposure</b> | ▪ Skin, Lungs                      |

#### Potential Health Effects

##### Inhalation

###### Acute (Immediate)

###### Chronic (Delayed)

- The dust from this material may cause respiratory irritation.
- Fiber glass wool is a possible cancer hazard. Fiber glass wool has caused cancer in animals but has not produced cancer by inhalation in humans. Use of these products has not been shown to cause cancer in humans.

##### Skin

###### Acute (Immediate)

###### Chronic (Delayed)

- May cause irritation.
- No data available.

##### Eye

###### Acute (Immediate)

###### Chronic (Delayed)

- 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.
- No data available.

##### Ingestion

###### Acute (Immediate)

###### Chronic (Delayed)

- Unlikely. Contact physician if unusual reaction is noted.
- No data available.

##### 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." This product contains petroleum asphalt. Asphalt fumes arise from hot asphalt. Asphalt fumes (CAS # 8052-42-4): In 1985/87, IARC (International Agency for Research on Cancer) concluded the following: (a) Bitumens are not classifiable as to their carcinogenicity to humans (Group 3). (b) Extracts of steam - and air-refined bitumens are possibly carcinogenic to humans (Group 2B). IARC found that evidence for carcinogenicity from animal studies was: inadequate for undiluted air -refined bitumens; limited for steam-refined and cracking residue bitumens; sufficient for extracts of steam-refined and air-refined bitumen. IARC found that human evidence for carcinogenicity of asphalt fumes was inadequate. Studies of roofers indicated an excess of cancers; however, IARC concluded that, since roofers may be exposed also to coal-tar pitches and other materials, "the excess cancer risk cannot be attributed specifically to bitumens." In 1994, a published review of 20 epidemiology studies of asphalt workers and roofers agreed with IARC, that current human evidence is inadequate for the carcinogenicity of asphalt fumes in humans. Trace amounts of polynuclear aromatic hydrocarbons (PAHs) may be present in some asphalts and can be released upon excessive heating, which results in thermal cracking of the asphalt compounds. Some of these PAHs have been identified as having the potential to induce carcinogenic and reproductive health effects.

<b>Carcinogenic Effects</b>			
	<b>CAS</b>	<b>IARC</b>	<b>NTP</b>
Asphalt	8052-42-4	Group 2B-Possible Carcinogen Group 3-Not Classifiable	Not established
Acetic acid, vinyl ester, polymer	9003-20-7	Group 3-Not Classifiable	Not established
Glass, oxide, chemicals as Glass wool fiber	NDA	Group 3-Not Classifiable	Reasonably Anticipated to be Human Carcinogen

**Other Information**

- Hearing Conservation: Some blowing machines used to install blown -in products create elevated sound levels which may affect workers' hearing. Use of hearing protection by workers exposed above 85 dB(A) as an 8 -hour TWA is recommended.

*See Section 12 for Ecological Information.*

**Section 3 - Composition/Information on Ingredients**

Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Glass, oxide, chemicals	65997-17-3	78% TO 97%	NDA	NDA	NDA	NDA
Asphalt	8052-42-4	0% TO 17%	NA1999, 232-490-9	Ingestion/Oral-Rat LD50 · >5000 mg/kg Inhalation-Rat LC50 · >94.4 mg/m <sup>3</sup>	NDA	NDA
Proprietary	Proprietary	3% TO 9%	Proprietary	NDA	NDA	NDA
Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	265-157-1	NDA	Carc.Cat.2; R45	NDA

Non-Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refining and/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	265-169-7	NDA	Carc.Cat.2; R45	NDA
Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	NDA	Ingestion/Oral-Rat LD50 · >25 g/kg	NDA	NDA
Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	NDA	Ingestion/Oral-Rat LD50 · >2500 mg/kg	NDA	NDA

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered hazardous.

See Section 11 for Toxicological Information.

### Section 4 - First Aid Measures

- Inhalation**
- Remove to fresh air immediately and notify medical personnel and supervisor.
- Skin**
- After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of soap and water. If irritation develops and persists, get medical attention.
- Eye**
- Do not rub or scratch your eyes. Immediately flush eyes with plenty of water for at least 15 minutes and notify medical personnel and supervisor.
- Ingestion**
- Unlikely. Consult physician if unusual reaction is noted.

See Section 2 for Potential Health Effects.

### Section 5 - Fire Fighting Measures

- Extinguishing Media**
- Use that which is applicable to surrounding fire.
- Unsuitable Extinguishing Media**
- None known.
- Firefighting Procedures**
- Fire fighters should avoid inhaling any combustion products. Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

## Unusual Fire and Explosion Hazards

- Does not support combustion. These products contain a cured binder and various facings which contain retardant systems to reduce the possibility of fire. Use of plasma or other type of cutting tool may cause the release of toxic fumes and smoke. Facings on these products may burn. Do not leave facing exposed when working close to an open flame. If burned, the materials could release toxic fumes.

## Hazardous Combustion Products

- If burned, the materials could release toxic fumes and smoke. The binder and kraft facings combustion products include carbon-dioxide, hydrogen chloride, carbon monoxide and molecular fragments of hydrocarbon particles, carbon-hydrogen-nitrogen and nitrogen-oxygen compounds. Comparative animal inhalation toxicity studies of combustion products on a number of CertainTeed fiber glass insulation products found the insulation products to be no more toxic than wood based on incapacitation and mortality.

## Protection of Firefighters

- Wear full structural fire fighting protective clothing.

## Section 6 - Accidental Release Measures

### Personal Precautions

- Avoid contact with skin and eyes during clean-up.

### Emergency Procedures

- Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed. Ventilate the contaminated area.

### Environmental Precautions

- No data available.

### Containment/Clean-up Measures

- Vacuum dust deposits. Do not use compressed air for clean-up. Avoid generating dust.

### Prohibited Materials

- None known.

No data available.

## Section 7 - Handling and Storage

### 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.

### Storage

- Store in a dry place and under cover to protect product.

### Special Packaging Materials

- None known.

### Incompatible Materials or Ignition Sources

- None known.

### Other Information

- No data available.

## Section 8 - Exposure Controls/Personal Protection

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- Wear NIOSH-certified respirators when handling and applying fiber glass insulation products in accordance with established exposure guidelines - If the exposure is less than 10 times the exposure guideline wear 1/2 mask respirator, N95 or higher, such as 3M brand #8210, #8511 or #8233. If the exposure is less than 50 times the exposure guideline wear a full face respirator, N100 or higher, such as 3M brand 6000 or 7000 series.

#### Eye/Face

- Safety glasses with side shields should be worn at a minimum. In dusty environments chemical goggles should be worn.

#### Hands

- Work clothing sufficient to prevent all skin contact should be worn, such as overalls, long sleeves and cap.

#### Skin/Body

- No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**General Industrial Hygiene Considerations**

- Wash hands, face and other potentially exposed areas immediately after handling material (especially before eating, drinking, or smoking). Decontaminate all protective equipment after use.

**Engineering Measures/Controls**

- Avoid spread of fiber glass dust. Provide general and/or local exhaust ventilation to control airborne dust levels below exposure limits.

Exposure Limits/Guidelines					
	Result	ACGIH	Mexico	NIOSH	United States - California
Asphalt (8052-42-4)	STELs	Not established	10 mg/m3 STEL	Not established	Not established
	TWAs	0.5 mg/m3 TWA (as benzene soluble aerosol, fume, inhalable fraction)	5 mg/m3 TWA	Not established	5 mg/m3 PEL (fume)
	Ceilings	Not established	Not established	5 mg/m3 Ceiling (fume, 15 min)	Not established
Glass, oxide, chemicals	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination)  <i>as Glass wool fiber</i>	Not established	3 fibers/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total)  <i>as Glass wool fiber</i>	10 mg/m3 PEL (total dust); 5 mg/m3 PEL (respirable fraction)  <i>as Glass wool fiber</i>

**Exposure Control Notations**

**Mexico**

- Asphalt (8052-42-4): **Carcinogens:** (A4 - Not classifiable as a human carcinogen)

**ACGIH**

- Asphalt (8052-42-4): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free))
- Glass, oxide, chemicals as Glass wool fiber: **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans)

**Exposure Limits Supplemental**

**ACGIH**

- Asphalt (8052-42-4): **BEIs:** (Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative))
- | **TLV Basis - Critical Effects:** (eye and upper respiratory tract irritation (fume))

**Section 9 - Physical and Chemical Properties**

**Physical Form**

- Solid

**Appearance/Description**

- Fibers assembled into blankets or loose fill. The blankets may be faced with kraft, aluminum foil or other facings.

Color : Yellow		Odor : Faint resin odor.	
Taste : No data available.		Odor Threshold : NDA	
Boiling Point:	NDA	Vapor Pressure:	NDA
Melting Point:	2200 F(1204.4444 C)	Vapor Density:	NDA
Specific Gravity:	2.5	Evaporation Rate:	NDA
Density:	156.0747 lb(s)/ft³	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA
pH:	NDA	Volatiles (Wt.):	NDA
Water Solubility:	Slightly Soluble	Volatiles (Vol.):	NDA
Solvent Solubility:	NDA	Flash Point:	NDA
Viscosity:	NDA	Flash Point Test Type:	NDA

Half-Life:	NDA	UEL:	NDA
Octanol/Water Partition coefficient:	NDA	LEL:	NDA
Coefficient of water/oil distribution:	NDA	Autoignition:	NDA
Bioaccumulation Factor:	NDA	Bioconcentration Factor:	NDA
Biochemical Oxygen Demand BOD/BOD5:	NDA	Chemical Oxygen Demand:	NDA
Persistence:	NDA	Degradation:	NDA

## Section 10 - Stability and Reactivity

### Stability

- Stable under normal conditions of use.

### Hazardous Polymerization

- Hazardous polymerization not indicated.

### Conditions to Avoid

- Keep away from heat, ignition sources and incompatible materials.

### Incompatible Materials

- Hydrofluoric acid.

### Hazardous Decomposition Products

- Hazardous decomposition may occur generating toxic fumes/vapors, oxides of carbon (COx), oxides of nitrogen (NOx).

No data available.

## Section 11 - Toxicological Information

Temporary irritation may be observed in the upper respiratory system, eyes, and skin. This product has not been tested as a separate entity. Therefore, the hazards must be evaluated on the basis of the individual ingredients, and those hazards must be assumed to be additive in the absence of complete information.

Component Name	Concentration	CAS	Data
Acetic acid, vinyl ester, polymer	< 11%	9003-20-7	<b>Acute Toxicity:</b> orl-rat LD50:>25 gm/kg
Acetic acid ethenyl ester, polymer with ethene	< 7%	24937-78-8	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 · >2500 mg/kg
Glass, oxide, chemicals	78% TO 97%	65997-17-3	<b>Acute Toxicity:</b> ihl-ham TCLo:30 mg/m3/6H/13W-I; ihl-ham TCLo:30 mg/m3/6H/78W-I; ihl-rat TCLo:16 mg/m3/6H/13W-I; <b>Mutagen:</b> mnt-ham:lng 2 ug/cm2; oms-ham:ovr 10 mg/L; oms-hmn:fbr 10 mg/L; <b>Tumorigen/Carcinogen:</b> imp-rat TDLo:200 mg/kg
Asphalt	0% TO 17%	8052-42-4	<b>Acute Toxicity:</b> orl-rat LD50:>5000 mg/kg; ihl-rat LC50:>94.4 mg/m3; ihl-rat TCLo:100 mg/m3/6H/14W-I

Following a thorough review of all of 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 the manufacture of these materials, and inadequate evidence overall of any cancer risk. "

### Key to abbreviations

TC = Toxic Concentration

LD = Lethal Dose

## Section 12 - Ecological Information

### Ecological Fate

- No data available.

### Persistence/Degradability

- 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.

### Bioaccumulation Potential

- No data available.

## Mobility in Soil

- 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.

This product is not manufactured with, nor does it contain any Class I Ozone depleting chemicals as defined by EPA in Title VI of the Clean Air Act Amendments of 1990 40 CFR Part 82, Protection of Stratospheric Ozone. This product is not classified as a hazardous air pollutant in Title III Clean Air Act of 1990. 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, including formaldehyde. 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

### Product

- Dispose of waste material in an approved landfill in accordance with federal, state, and local regulations. If you are unsure of the regulations, contact your Public Health Department, or the local office of the Environmental Protection Agency (EPA). See Section 7 for Handling Procedures; see Section 8 for Personal Protective Equipment recommendations.

### Packaging

- No data available.

No data available.

## Section 14 - Transportation Information

### DOT - United States - Department of Transportation

Shipping Name: Not Regulated

### TDG - Canada - Transport of Dangerous Goods

Shipping Name: Not Regulated

### IMO/IMDG -International Maritime Transport

Shipping Name: Not Regulated

## Section 15 - Regulatory Information

### SARA Hazard Classifications

- Acute, Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	No	No	No
Acetic acid, vinyl ester, polymer	9003-20-7	No	No	No
Acetic acid ethenyl ester, polymer with ethene	24937-78-8	No	No	No

Glass, oxide, chemicals	65997-17-3	Yes	No	Yes
Asphalt	8052-42-4	Yes	Yes	Yes
<i>Proprietary</i>	NDA	No	No	No
Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	No	No	No

<b>Inventory</b>				
<b>Component</b>	<b>CAS</b>	<b>Canada DSL</b>	<b>Canada NDSL</b>	<b>TSCA</b>
Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refining and/or hydrotreatment)	64742-65-0	Yes	No	Yes
Acetic acid, vinyl ester, polymer	9003-20-7	Yes	No	Yes
Acetic acid ethenyl ester, polymer with ethene	24937-78-8	Yes	No	Yes
Glass, oxide, chemicals	65997-17-3	Yes	No	Yes
Asphalt	8052-42-4	Yes	No	Yes
<i>Proprietary</i>	NDA	No	No	No
Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	Yes	No	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Uncontrolled product according to WHMIS classification criteria; D2A
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### Canada - WHMIS - Ingredient Disclosure List

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### Environment

#### Canada - CEPA - Priority Substances List

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## Canada British Columbia

### Environment

#### Canada - British Columbia - Ozone Depleting Substances

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed

● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## Canada Manitoba

### Environment

#### Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## Canada Nova Scotia

### Environment

#### Canada - Nova Scotia - Ozone Layer Protection Regulations

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed

● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## Canada Ontario

### Environment

#### Canada - Ontario - Airborne Contaminant Reporting - Table 2A

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### Canada - Ontario - Airborne Contaminant Reporting - Table 2B

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### Canada - Ontario - Ozone Depleting Substances - Solvents - Class 1

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### Canada - Ontario - Ozone Depleting Substances - Solvents - Class 2

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

**Canada - Ontario - Ozone Depleting Substances - Solvents - Class 3**

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

**Canada Yukon**

**Environment**

**Canada - Yukon - Ozone Depleting Substances and Other Halocarbons**

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

**Mexico**

**Other**

**Mexico - Hazard Classifications**

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed

● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### Mexico - Regulated Substances

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## United States

### Labor

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

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

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

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed

● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## Environment

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

● Glass, oxide, chemicals as Glass wool fiber	78% TO 97%	(includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 µm or less)	
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

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

● Glass, oxide, chemicals as Glass wool fiber	78% TO 97%		Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

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

● Glass, oxide, chemicals as Glass wool fiber	78% TO 97%		Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## United States - California

## Environment

### U.S. - California - Proposition 65 - Carcinogens List

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	carcinogen, initial date 7/1/90 (airborne particles of respirable size)
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### U.S. - California - Proposition 65 - Developmental Toxicity

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### U.S. - California - Proposition 65 - Reproductive Toxicity - Female

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
● Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### U.S. - California - Proposition 65 - Reproductive Toxicity - Male

● Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
● Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
● Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
● Asphalt	8052-42-4	0% TO 17%	Not Listed
● Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
● Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed

- Glass, oxide, chemicals

65997-17-3 78% TO 97%

Not Listed

## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
• Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
• Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
• Asphalt	8052-42-4	0% TO 17%	Not Listed
• Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
• Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Not Listed
• Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
• Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
• Asphalt	8052-42-4	0% TO 17%	Not Listed
• Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
• Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

## United States - Rhode Island

### Labor

#### U.S. - Rhode Island - Hazardous Substance List

• Glass, oxide, chemicals as Glass wool fiber		78% TO 97%	Toxic
• Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic (severe solvent-refiningand/or hydrotreatment)	64742-65-0	0.5% TO 1.5%	Not Listed
• Acetic acid ethenyl ester, polymer with ethene	24937-78-8	< 7%	Not Listed
• Asphalt	8052-42-4	0% TO 17%	Toxic; Flammable
• Hydrotreated heavy paraffinic petroleum distillate (highly refined)	64742-54-7	0.5% TO 1.5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	< 11%	Not Listed
• Glass, oxide, chemicals	65997-17-3	78% TO 97%	Not Listed

### Additional Regulatory Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

## Section 16 - Other Information

**Preparation Date**

▪ 10/15/2004

**Last Revision Date**

▪ 04/29/2011

**Acronyms/Definitions**

▪ For reference to the acronyms/definitions used in this MSDS please visit [www.certainteed.com](http://www.certainteed.com).

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