



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Mechanical/OEM - Sustainable Insulation (CT10167-2)**

Synonyms

- Canadian Metal Building Insulation; Commercial Blanket; Commercial Board; Crimp Wrap; HT (High Temperature) Blanket; Insulation for Flex Duct; Marine Ductwrap; Metal Building Insulation 202-96; OEM Board; Quickwrap Ductwrap; Soft Touch Duct Wrap; ToughGard™ R Duct Liner; Universal Blanket

Product Code

- Literature Code: 30-37-004

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Acoustical & Thermal Insulation

Details of the supplier of the safety data sheet

Manufacturer

- CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0101
United States
www.certainteed.com
CertainTeed - EHS@saint-gobain.com

Telephone (General) • 610-341-7000

Telephone (Technical) • (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)

Telephone (General) • (800) 274-8530 - Main Number

Emergency telephone number

Manufacturer

- 800-527-3887

Manufacturer

- (800) 424-9300 - Chemtrec

Manufacturer

- (703) 527-3887 - Outside of the U.S. Chemtrec

Key to abbreviations

‡ = HMIS is a registered trademark of the American Coatings Association

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Carcinogenicity 2 - H351

Label elements

OSHA HCS 2012

WARNING



Hazard statements • Suspected of causing cancer. - H351

Precautionary statements

Prevention • Obtain special instructions before use. - P201
Do not handle until all safety precautions have been read and understood. - P202
Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response • IF exposed or concerned: Get medical advice/attention. - P308+P313

Storage/Disposal • Store locked up. - P405
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard) this product is considered Hazardous.

Canada

According to WHMIS

Classification of the substance or mixture

WHMIS • Other Toxic Effects - D2A

Label elements

WHMIS



- Other Toxic Effects - D2A

Other hazards

WHMIS

- In Canada, the product mentioned above is considered Hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Glass, oxide, chemicals	CAS:65997-17-3	60% TO 100%	NDA	OSHA HCS 2012: Not Classified - Classification criteria not met	NDA
Green Binder	NDA	3% TO 9%	NDA	OSHA HCS 2012: Not Classified (cured in final product)	NDA

Acetic acid, vinyl ester, polymer	NDA	0% TO 5%	Ingestion/Oral-Rat LD50 • >25 g/kg	OSHA HCS 2012: Not Classified - Classification criteria not met	NDA
Antimony oxide (Sb2O3)	CAS: 1309- 64-4	0% TO 5%	Ingestion/Oral-Rat LD50 • >34 g/kg	OSHA HCS 2012: Carc. 2	NDA
Poly(oxy-1,2-ethanedioxy-carbonyl-1,4-phenylenecarbonyl)	NDA	0% TO 5%	NDA	OSHA HCS 2012: Not Classified - Classification criteria not met	NDA

Non-Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Acrylic-based polymer	<i>Proprietary</i>	0% TO 5%	NDA	OSHA HCS 2012: Not Classified - Classification criteria not met	Only present in ToughGard™ R Duct Liner

See Section 11 for Toxicological Information.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Remove to fresh air immediately and notify medical personnel and supervisor. If breathing is difficult, give oxygen. Give artificial respiration if victim is not breathing.

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

- 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 • Use any media suitable for the surrounding fires.

Unsuitable Extinguishing Media • No data available.

Special hazards arising from the substance or mixture

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.

Advice for firefighters

- Fire fighters should avoid inhaling any combustion products.
- Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing.
- Treat as residential building materials.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Avoid contact with skin and eyes during clean-up. Take proper precautions to minimize exposure by using appropriate personal protective equipment.

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

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Containment of this material should not be necessary. Remove sources of ignition. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Avoid the generation of dusts 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 dry place and under cover to protect product.

Incompatible Materials or Ignition Sources

- Hydrofluoric acid.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
Antimony oxide (Sb ₂ O ₃) as Antimony compounds	TWAs	0.5 mg/m ³ TWA (as Sb) <i>as Antimony compounds</i>	production, exposure by all routes should be carefully controlled to levels as low as possible	0.5 mg/m ³ TWA (as Sb) <i>as Antimony compounds</i>	0.5 mg/m ³ TWA (as Sb) <i>as Antimony compounds</i>	0.5 mg/m ³ TWA (production, handling and use, as Sb)
	STELs	Not established	Not established	Not established	Not established	1.5 mg/m ³ STEL (production, handling and use, as Sb)

Glass, oxide, chemicals as Glass wool fiber	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, listed under Synthetic vitreous fibers) <i>as Glass wool fiber</i>	1 fibre/cm3 TWA (fibres >5 µm, with an aspect ratio of >=3:1, as determined by the membrane filter method at 400-450 times magnification (4 mm objective), using phase-contrast illumination, listed under Synthetic vitreous fibres) <i>as Glass wool fiber</i>	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, listed under Synthetic vitreous fibers) <i>as Glass wool fiber</i>	1 fibre/cm3 TWA (fibres >5 µm with a diameter <3 µm, aspect ratio >5:1) <i>as Glass wool fiber</i>	3 fibre/cm3 TWA (with a diameter <=3.5 µm and a length >=10 µm); 5 mg/m3 TWA (total mass) <i>as Glass wool fiber</i>
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Exposure Limits/Guidelines (Con't.)

	Result	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec	Canada Yukon
Antimony oxide (Sb2O3) as Antimony compounds	TWAs	0.5 mg/m3 TWA (as Sb) <i>as Antimony compounds</i>	0.5 mg/m3 TWA (production, handling and use, as Sb)	exposure by all routes should be carefully controlled to levels as low as possible	0.5 mg/m3 TWAEV (as Sb)	0.5 mg/m3 TWA (as Sb) <i>as Antimony compounds</i>
	STELs	Not established	1.5 mg/m3 STEL (production, handling and use, as Sb)	Not established	Not established	0.75 mg/m3 STEL (as Sb) <i>as Antimony compounds</i>
Glass, oxide, chemicals as Glass wool fiber	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, listed under Synthetic vitreous fibers) <i>as Glass wool fiber</i>	3 fibre/cm3 TWA (with a diameter <=3.5 µm and a length >=10 µm); 5 mg/m3 TWA (total mass) <i>as Glass wool fiber</i>	1 fibre/cm3 TWA (length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination, respirable, listed under Synthetic Vitreous Fibres (Man Made Mineral Fibres)) <i>as Glass wool fiber</i>	1 fibre/cm3 TWAEV (respirable, listed under Fibres - Artificial vitreous mineral fibres) <i>as Glass wool fiber</i>	30 mppcf TWA; 10 mg/m3 TWA (respirable mass) <i>as Glass wool fiber</i>

Exposure Limits/Guidelines (Con't.)

	Result	NIOSH	OSHA
Antimony oxide (Sb2O3) as Antimony compounds	TWAs	0.5 mg/m3 TWA (as Sb) <i>as Antimony compounds</i>	0.5 mg/m3 TWA (as Sb) <i>as Antimony compounds</i>
Glass, oxide, chemicals	TWAs	3 fiber/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total) <i>as Glass wool fiber</i>	Not established

Exposure controls

Engineering Measures/Controls

- Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Avoid spread of fiber glass dust.

Personal Protective Equipment

Pictograms



Respiratory

- A properly fitted NIOSH approved N 95 series disposable dust respirator such as a 3M Brand #8210, #8511, #8233 or equivalent, in high humidity environments should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the occupational exposure limits; or if irritation occurs.

Eye/Face

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

Hands

- Leather or cotton gloves may be worn to prevent skin contact and irritation.

Skin/Body

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

General Industrial Hygiene Considerations

- Use good industrial hygiene practices in handling this material. Availability of eye wash fountains are recommended. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Other Information

- This product contains a chemical known to the State of California to cause cancer. Fiber glass wool may cause temporary skin, eye, throat and upper respiratory irritation. In 2001, the International Agency for Research on Cancer (IARC) reclassified glass wool as Group 3, not classifiable as to carcinogenicity to humans. In 2012 a similar action was taken by the U.S. National Toxicology Program (NTP) and the California Office of Environmental Health Hazard Assessment (OEHHA).

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	No data available
Color	Brown	Odor	Faint resin odor.
Odor Threshold	No data available		
General Properties			
Boiling Point	> 2550 F(> 1398.8889 C)	Melting Point	2550 F(1398.8889 C)
Decomposition Temperature	No data available	pH	No data available
Density	0.51 to 1.34 lb(s)/ft ³	Water Solubility	Slightly Soluble
Viscosity	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		

Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	Not flammable.		
Environmental			
Octanol/Water Partition coefficient	No data available		

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

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

Incompatible materials

- Hydrofluoric acid.

Hazardous decomposition products

- Hazardous decomposition products may include oxides of carbon, sulfur and other potentially volatile organic compounds, oxides of arsenic, oxides of nitrogen, hydrogen chloride, antimony, bromide gas, hydrogen bromide, formaldehyde, and trace hydrogen cyanide.

Section 11 - Toxicological Information

Information on toxicological effects

Component Name	CAS	Data
Acetic acid, vinyl ester, polymer (0% TO 5%)	9003-20-7	Acute Toxicity: orl-rat LD50:>25 gm/kg
Antimony oxide (Sb2O3) (0% TO 5%)	1309-64-4	Acute Toxicity: orl-rat LD50:>34 gm/kg; Irritation: eye-rbt 100 mg MLD

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 2
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met

STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met

Route(s) of entry/exposure

- Inhalation

Medical Conditions Aggravated by Exposure

- Pre-existing conditions which may be aggravated by mechanical irritants upon inhalation or skin contact.

Potential Health Effects**Inhalation****Acute (Immediate)**

- Temporary irritation of nose and throat may occur.

Chronic (Delayed)

- Chronic overexposure to dusts of this material in excess of published exposure limits may cause lung damage/disease, including decreased lung function.

Skin**Acute (Immediate)**

- Temporary irritation of the skin may occur in some individuals.

Chronic (Delayed)

- No data available.

Eye**Acute (Immediate)**

- Temporary irritation or redness may occur.

Chronic (Delayed)

- No data available.

Ingestion**Acute (Immediate)**

- Ingestion of this product unlikely.

Chronic (Delayed)

- Ingestion of this product unlikely.

Carcinogenic Effects

- This product contains antimony trioxide which may cause cancer based on sufficient animal data. 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." U.S., California and international authorities have all agreed that biosoluble and inhalable glass fibers should not be labeled as a possible cancer hazard. The U.S. National Toxicology Program ("NTP") and the California Office of Environmental Health Hazard Assessment ("OEHHA") actions mean that a cancer warning label for biosoluble fiber glass is no longer required under Federal or California Law.

Carcinogenic Effects		
	CAS	IARC
Antimony oxide (Sb2O3)	1309-64-4	Group 2B-Possible Carcinogen

Reproductive Effects

- No data available.

Section 12 - Ecological Information**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

- No information available for the product.

Bioaccumulative potential

- No information available for the product.

Mobility in Soil

- No information available for the product.

Other adverse effects**Potential Environmental Effects**

- No environmental effects expected.

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

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- None known.

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

- Not relevant.

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Hazard Classifications**

- Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Acrylic-based polymer	NDA	No	No	No
Glass, oxide, chemicals	65997-17-3	Yes	No	Yes
Green Binder	NDA	No	No	No
Acetic acid, vinyl ester, polymer	9003-20-7	No	No	No
Antimony oxide (Sb2O3)	1309-64-4	Yes	Yes	Yes
			Yes	Yes

Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	No	No	No
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Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Acrylic-based polymer	NDA	No	No	No
Glass, oxide, chemicals	65997-17-3	Yes	No	Yes
Green Binder	NDA	No	No	No
Acetic acid, vinyl ester, polymer	9003-20-7	Yes	No	Yes
Antimony oxide (Sb ₂ O ₃)	1309-64-4	Yes	No	Yes
Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Uncontrolled product according to WHMIS classification criteria (listed under Glass wool); D2A (listed under Mineral wool fiber)
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	D2A
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	1 %
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	1 %
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Environment

Canada - 2004 NPRI (National Pollutant Release Inventory)

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanediylloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Part 1, Group 1 Substance
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Canada - 2005 NPRI (National Pollutant Release Inventory)

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanediylloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Part 1, Group 1 Substance
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanediylloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Canada - CEPA - Priority Substances List

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanediylloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

United States

Labor

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanediylloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed

• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Environment

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	(including 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)
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	(including any unique chemical substance that contains Antimony as part of its infrastructure)
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	1000 lb final RQ; 454 kg final RQ
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb2O3) as Antimony oxides		0% TO 5%	Not Listed

• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	1.0 % de minimis concentration (Chemical Category N010)
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
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• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	hazardous constituent - no waste number
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

United States - California

Environment

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	carcinogen, initial date 7/1/90 (inhalable and biopersistent)
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	carcinogen, initial date 10/1/90
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed

• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

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

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Not Listed
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Glass, oxide, chemicals as Glass wool fiber		60% TO 100%	Toxic
• Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl)	25038-59-9	0% TO 5%	Not Listed
• Antimony oxide (Sb ₂ O ₃)	1309-64-4	0% TO 5%	Toxic
• Antimony oxide (Sb ₂ O ₃) as Antimony compounds		0% TO 5%	Toxic
• Antimony oxide (Sb ₂ O ₃) as Antimony oxides		0% TO 5%	Not Listed
• Acetic acid, vinyl ester, polymer	9003-20-7	0% TO 5%	Not Listed
• Glass, oxide, chemicals	65997-17-3	60% TO 100%	Not Listed

Other Information

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

Section 16 - Other Information

Last Revision Date

- 31/October/2012

Preparation Date

- 02/November/2012

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