# Safety Data Sheet

## Section 1: Identification

### Product identifier

**Product Name** • **Mechanical/Industrial/OEM - CT10101-6**

**Synonyms**
- Canadian Metal Building Insulation; CertaPro® AcoustaBlanket Black; CertaPro®AcoustaBoard™Black; CertaPro™ Board; Commercial Blanket Insulation; Crimp Wrap™; Crimp Wrap™ Crimped Pipe and Tank Wrap; HT Blanket; Insulation for Flex Duct; Marine Ductwrap; Metal Building Insulation 202 -96; OEM Acoustical Board Insulation; Quickwrap Ductwrap; Soft Touch™ Duct Wrap; ToughGard® BMC Liner Board; ToughGard® Duct Board; ToughGard® R Duct Liner (1/2”); ToughGard® Rigid Liner Board; ToughGard® T Duct Liner; ToughGard® T Textile Duct Liner; ToughGard® Ultra*Round Spiral Duct Liner; ToughGard® Ultra*Round® Spiral Duct Liner Insulation; Ultra* Duct™ Black Duct Board; Universal Blanket
- Product Literature Code: 30-36-045.

### 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

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

### UN GHS Revision 3

**According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition**

### Classification of the substance or mixture

**UN GHS** • Not classified

### Label elements

**UN GHS**

**Hazard statements** • No label element(s) required

**Precautionary statements**

### Other hazards

**UN GHS** • According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered not hazardous

## 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

| Composition | | | | | |
|---|---|---|---|---|---|
| **Chemical Name** | **Identifiers** | **%** | **LD50/LC50** | **Classifications According to Regulation/Directive** | **Comments** |
| Fibre glass | **CAS:**65997-17-3 **EC Number:**266-046-0 | 60% TO 93% | NDA | **UN GHS Revision 3:** Not Classified **OSHA HCS 2012:** Not Classified | NDA |
| Phenol, polymer with formaldehyde and urea | **CAS:**25104-55-6 | 10% TO 30% | Ingestion/Oral-Rat LD50 • 7 g/kg | **UN GHS Revision 3:** Not Classified **OSHA HCS 2012:** Not Classified | NDA |
| Phenolic resin binder (cured) | NDA | < 25% | NDA | **UN GHS Revision 3:** Not Classified **OSHA HCS 2012:** Not Classified | NDA |

| | | | | | |
|---|---|---|---|---|---|
| Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | **CAS:**25038-59-9 | 0% TO 5% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Latex textile rubber polymer | NDA | 0% TO 5% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Cured polymer adhesive | NDA | 1% TO 5% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Antimony oxide | **CAS:**1309-64-4<br>**EC Number:**215-175-0<br>**EU Index:**051-005-00-X | 0% TO 5% | Ingestion/Oral-Rat LD50 • >34600 mg/kg | **UN GHS Revision 3:** Eye Irrit. 2; Skin Irrit. 2; Carc. 2; Repr. 2; Aquatic Acute 1; Aquatic Chronic 1<br>**OSHA HCS 2012:** Eye Irrit. 2; Skin Irrit. 2; Carc. 2; Repr. 2 | The Antimony Oxide is incorporated into an emulsion which is applied to the surface of the product and then cured, making the coating resistant to aging and to degradation. This cured coating does not represent an exposure risk. Antimony only applies to ToughGard® R Duct Liner. |
| Acrylic-based polymer | NDA | 0% TO 5% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Acetic acid, vinyl ester, polymer | NDA | 0% TO 5% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Hydrocarbon polymer | NDA | < 2% | NDA | **UN GHS Revision 3:** Not Classified<br>**OSHA HCS 2012:** Not Classified | NDA |
| Carbon Black | **CAS:**1333-86-4<br>**EC Number:**215-609-9 | < 0.04% | Ingestion/Oral-Rat LD50 • >15400 mg/kg<br>Skin-Rabbit LD50 • >3 g/kg | **OSHA HCS 2012:** Exposure Limits | NDA |

*See Section 16 for full text of H-statements.*

## Section 4: First-Aid Measures

### Description of first aid measures

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

**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. 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**

- Use any media suitable for the surrounding fires.

**Unsuitable Extinguishing Media**

- None known.

### 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**

- Does not support combustion. If burned, the materials could release toxic fumes and smoke. Combustion 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.

### 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.

## 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.

### Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## 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.

## Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

# 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 | TWAs | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* | production, exposure by all routes should be carefully controlled to levels as low as possible | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* |
| | STELs | Not established | Not established | Not established | Not established | 1.5 mg/m3 STEL (as Sb)<br><br>*as Antimony compounds* |
| Carbon Black (1333-86-4) | TWAs | 3 mg/m3 TWA (inhalable fraction) | 3 mg/m3 TWA (inhalable) | 3 mg/m3 TWA (inhalable fraction) | 3.5 mg/m3 TWA | 3.5 mg/m3 TWA |
| | STELs | Not established | Not established | Not established | Not established | 7 mg/m3 STEL |
| Fibre glass | 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)<br><br>*as Glass wool fiber* | 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)<br><br>*as Glass wool fiber* | 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)<br><br>*as Glass wool fiber* | 1 fibre/cm3 TWA (fibres >5 µm with a diameter <3 µm, aspect ratio >5:1)<br><br>*as Glass wool fiber* | 1 fibre/cm3 TWA (respirable fibres, listed under Synthetic vitreous fibres)<br><br>*as Glass wool fiber* |
| | STELs | Not established | Not established | Not established | Not established | 3 fibre/cm3 STEL (respirable fibres, listed under Synthetic vitreous fibres)<br><br>*as Glass wool fiber* |

| Exposure Limits/Guidelines (Con't.) | | | | | | |
|---|---|---|---|---|---|---|
| | **Result** | **Canada Nova Scotia** | **Canada Nunavut** | **Canada Ontario** | **Canada Quebec** | **Canada Yukon** |
| | | 0.5 mg/m3 TWA (as | | production; exposure | | 0.5 mg/m3 TWA (as |

| | | | | | | |
|---|---|---|---|---|---|---|
| Antimony oxide | TWAs | Sb)<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA (production, handling and use, as Sb) | by all routes should be carefully controlled to levels as low as possible | 0.5 mg/m3 TWAEV (as Sb) | Sb)<br><br>*as Antimony compounds* |
| | 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)<br><br>*as Antimony compounds* |
| Carbon Black (1333-86-4) | TWAs | 3 mg/m3 TWA (inhalable fraction) | 3.5 mg/m3 TWA | 3 mg/m3 TWA (inhalable) | 3.5 mg/m3 TWAEV | 3.5 mg/m3 TWA |
| | STELs | Not established | 7 mg/m3 STEL | Not established | Not established | 7 mg/m3 STEL |
| Fibre glass | 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)<br><br>*as Glass wool fiber* | 3 fibre/cm3 TWA (with a diameter <=3.5 µm and a length >=10 µm); 5 mg/m3 TWA (total mass)<br><br>*as Glass wool fiber* | 1 fibre/cm3 TWA (fibres >5 µm in length and an 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))<br><br>*as Glass wool fiber* | 1 fibre/cm3 TWAEV (respirable, listed under Fibres - Artificial Vitreous Mineral Fibres)<br><br>*as Glass wool fiber* | 30 mppcf TWA (dust or fibrous); 10 mg/m3 TWA (dust or fibrous) |

**Exposure Limits/Guidelines (Con't.)**

| | Result | China | China Highly Toxic Goods | NIOSH | OSHA |
|---|---|---|---|---|---|
| Antimony oxide | STELs | 1.5 mg/m3 STEL (as Sb)<br><br>*as Antimony compounds* | Not established | Not established | Not established |
| | TWAs | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* | 0.5 mg/m3 TWA (as Sb)<br><br>*as Antimony compounds* |
| Carbon Black (1333-86-4) | STELs | 8 mg/m3 STEL (total dust) | Not established | Not established | Not established |
| | TWAs | 4 mg/m3 TWA (total dust) | Not established | 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH) | 3.5 mg/m3 TWA |
| Fibre glass | TWAs | Not established | Not established | 3 fiber/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total)<br><br>*as Glass wool fiber* | Not established |

## Exposure Control Notations

**ACGIH**

•Fibre glass as Glass wool fiber: **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Synthetic vitreous fibers))

•Antimony oxide (1309-64-4): **Carcinogens:** (A2 - Suspected Human Carcinogen (production))

•Carbon Black (1333-86-4): **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans)

### Exposure Limits Supplemental

**ACGIH**

•Antimony oxide (1309-64-4): **TLV Basis - Critical Effects:** (lung cancer (antimony trioxide production); pneumoconiosis (antimony trioxide production)) | **No Adopted Value:** (Exposure by all routes should be carefully controlled to levels as low as possible (production))

•Antimony oxide as Antimony compounds: **TLV Basis - Critical Effects:** (skin and upper respiratory tract irritation)

•Carbon Black (1333-86-4): **TLV Basis - Critical Effects:** (bronchitis)

## 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** | |
| **Respiratory** | • 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. |
| **Eye/Face** | • Safety glasses with side shields should be worn at a minimum. In dusty environments chemical goggles should be worn. |
| **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. |

**Key to abbreviations**

ACGIH = American Conference of Governmental Industrial Hygiene

LLV = Limit Level Value is the exposure limit for 8-hour work day

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

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

# Section 9 - Physical and Chemical Properties

## Information on Physical and Chemical Properties

| **Material Description** | | | |
|---|---|---|---|
| Physical Form | Solid | Appearance/Description | Yellow or black solid with faint resin odor. |
| Color | Yellow or black. | Odor | Faint resin odor. |
| Odor Threshold | Data lacking | | |
| **General Properties** | | | |
| Boiling Point | > 2550 °F(> 1398.8889 °C) | Melting Point/Freezing Point | 2550 °F(1398.8889 °C) |
| Decomposition Temperature | Data lacking | pH | Data lacking |
| Specific Gravity/Relative Density | Data lacking | Bulk Density | 8 lb(s)/ft³ |
| Water Solubility | Slightly Soluble | Viscosity | Data lacking |
| Explosive Properties | Data lacking | Oxidizing Properties: | Data lacking |

| Volatility | | | |
|---|---|---|---|
| Vapor Pressure | Data lacking | Vapor Density | Data lacking |
| Evaporation Rate | Data lacking | | |
| **Flammability** | | | |
| Flash Point | Not relevant | UEL | Not relevant |
| LEL | Not relevant | Autoignition | Not relevant |
| Flammability (solid, gas) | Data lacking | | |
| **Environmental** | | | |
| Octanol/Water Partition coefficient | Data lacking | | |

## 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

| Components | | |
|---|---|---|
| Fibre glass (60% TO 93%) | 65997-17-3 | **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 5 mg/m³ 7 Hour(s) 90 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Blood*:**Leukemia** |
| Phenol, polymer with formaldehyde and urea (10% TO 30%) | 25104-55-6 | **Acute Toxicity:** Ingestion/Oral-Rat LD50 • 7 g/kg |
| Antimony oxide (0% TO 5%) | 1309-64-4 | **Irritation:** Eye-Rabbit • 100 mg • Mild irritation;<br>**Multi-dose Toxicity:** Inhalation-Rat TDLo • 4.2 mg/m³ 1 Year(s)-Intermittent; *Lungs, Thorax, or Respiration*:**Fibrosing alveolitis**;<br>**Reproductive:** Inhalation-Rat TCLo • 82 µg/m³ (1-21D preg); *Reproductive Effects:Effects on Fertility*:**Pre-implantation mortality**; *Reproductive Effects:Effects on Embryo or Fetus*:**Fetotoxicity (except death, e.g., stunted fetus)**; Inhalation-Rat TCLo • 270 µg/m³ 24 Hour(s)(1-21D preg); *Reproductive Effects:Effects on Fertility*:**Pre-implantation mortality**; *Reproductive Effects:Effects on Fertility*:**Post-implantation mortality**; *Reproductive Effects:Effects on Embryo or Fetus*:**Fetal death**;<br>**Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 4200 µg/m³ 52 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**; *Liver*:**Tumors**; Inhalation-Rat TCLo • 45 mg/m³ 52 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**; *Tumorigenic*:**Increased incidence of tumors in** |

| | | |
|---|---|---|
| | | **susceptible strains** |

| GHS Properties | Classification |
|---|---|
| **Acute toxicity** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Skin corrosion/Irritation** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Serious eye damage/Irritation** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Skin sensitization** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Respiratory sensitization** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Aspiration Hazard** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Carcinogenicity** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Germ Cell Mutagenicity** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **Toxicity for Reproduction** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **STOT-SE** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |
| **STOT-RE** | **UN GHS 3** • Data lacking<br>**OSHA HCS 2012** • Data lacking |

**Route(s) of entry/exposure**
- Inhalation, Skin, Eye, and Ingestion

**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)**
- Use of these products has not been shown to cause cancer in humans. Fiber glass wool is apossible cancer hazard. Fiber glass wool has caused cancer in animals but has not produced cancer by inhalationin humans.

### 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)**
- No data available

**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 | NTP |
| Antimony oxide | 1309-64-4 | Group 2B-Possible Carcinogen | Not Listed |
| Carbon Black | 1333-86-4 | Group 2B-Possible Carcinogen | Not Listed |
| Fibre glass as Glass wool fiber | NDA | Not Listed | Reasonably Anticipated to be Human Carcinogen |

**Key to abbreviations**

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

## 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

| | UN number | UN proper shipping name | Transport hazard class(es) | Packing group | Environmental hazards |
|---|---|---|---|---|---|
| DOT | Not Applicable | Not Regulated | Not Applicable | Not Applicable | NDA |
| TDG | Not Applicable | Not Regulated | Not Applicable | Not Applicable | NDA |

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • Data lacking.

## Section 15 - Regulatory Information

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

**SARA Hazard Classifications** • None

| State Right To Know | | |
|---|---|---|
| **Component** | **CAS** | **PA** |
| Antimony oxide | 1309-64-4 | Yes |
| Carbon Black | 1333-86-4 | Yes |
| Fibre glass | 65997-17-3 | No |
| Phenol, polymer with formaldehyde and urea | 25104-55-6 | No |
| Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | No |

| Inventory | | | | | | |
|---|---|---|---|---|---|---|
| **Component** | **CAS** | **Canada DSL** | **Canada NDSL** | **China** | **Korea KECL** | **TSCA** |
| Antimony oxide | 1309-64-4 | Yes | No | Yes | Yes | Yes |
| Carbon Black | 1333-86-4 | Yes | No | Yes | Yes | Yes |
| Fibre glass | 65997-17-3 | Yes | No | Yes | Yes | Yes |
| Phenol, polymer with formaldehyde and urea | 25104-55-6 | Yes | No | Yes | Yes | Yes |
| Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Yes | No | Yes | Yes | Yes |

### Canada

**Labor**

**Canada - WHMIS - Classifications of Substances**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's |

| | | |
|---|---|---|
| | | WHMIS Division website.) |
| • Antimony oxide | 1309-64-4 | D2A |
| • Fibre glass | 65997-17-3 | Not Listed |

**Canada - WHMIS - Ingredient Disclosure List**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | 1 % |
| • Antimony oxide | 1309-64-4 | 1 % |
| • Fibre glass | 65997-17-3 | Not Listed |

### Environment

**Canada - CEPA - Priority Substances List**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

## China

### Environment

**China - Ozone Depleting Substances - First Schedule**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

**China - Ozone Depleting Substances - Second Schedule**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

**China - Ozone Depleting Substances - Third Schedule**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

### Other

**China - Annex I & II - Controlled Chemicals Lists**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

**China - Dangerous Goods List**

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |

| | | |
|---|---|---|
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

## United States

### Labor

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

### Environment

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | 1000 lb final RQ; 454 kg final RQ |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |

| | | |
|---|---|---|
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

## United States - California

### Environment

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | carcinogen, 2/21/2003 (airborne, unbound particles of respirable size) |
| • Antimony oxide | 1309-64-4 | carcinogen, 10/1/1990 |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

## United States - Pennsylvania

**Labor**

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Antimony oxide | 1309-64-4 | |
| • Fibre glass | 65997-17-3 | Not Listed |

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

| | | |
|---|---|---|
| • Phenol, polymer with formaldehyde and urea | 25104-55-6 | Not Listed |
| • Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl) | 25038-59-9 | Not Listed |
| • Carbon Black | 1333-86-4 | |
| • Antimony oxide | 1309-64-4 | Not Listed |
| • Fibre glass | 65997-17-3 | Not Listed |

## Other Information

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

## Section 16 - Other Information

**Relevant Phrases (code & full text)**

- H351 - Suspected of causing cancer.

**Revision Date**
- 06/July/2016

**Preparation Date**
- 04/June/2013

**Disclaimer/Statement of Liability**
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**Key to abbreviations**

NDA = No Data Available