



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: MECHANICAL/OEM

PRODUCT/TRADE NAME: Commercial Blanket; HT (High Temperature) Blanket; Commercial Board; Crimp Wrap™; Insulation for Flex Duct; Metal Building Insulation 202-96; Canadian Metal Building Insulation; OEM Board; Soft Touch™ Duct Wrap; Quickwrap Ductwrap; Marine Ductwrap; ToughGard™ 2; ToughGard™ R Duct Board with Enhanced Surface; ToughGard™ R Duct Liner with Enhanced Surface; ToughGard™ R-EP Duct Liner; ToughGard™ Rigid Liner Board with Enhanced Surface; ToughGard™ T; Ultra* Duct™ Black; Ultra* Duct™ Gold; Universal Blanket

PRODUCT DESCRIPTION: FIBER GLASS INSULATION

PRODUCT USE: Acoustical & Thermal Insulation

CHEMICAL NAME: Mixture
CAS NUMBER: None Assigned
EINECS: None Assigned
MOLECULAR FORMULA: No Data Available

Company Identification

CERTAINTEED CORPORATION
P.O. Box 860
Valley Forge, PA 19482
United States

WEB ADDRESS: www.certainteed.com

Phone Numbers

Technical Information: (610) 341-7000 - 9 AM – 5 PM (Eastern Time – USA)

*Emergency: (800) 424-9300 - EMERGENCY TELEPHONE: CHEMTREC
Emergency: (703) 527-3887 - OUTSIDE OF THE U.S. CHEMTREC*

PREPARATION DATE: 3/28/2002
LAST REVISION DATE: 1/18/2010

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

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.

WARNING

Causes serious eye irritation. Causes skin irritation. Suspected of causing cancer via Inhalation.

Prevention Avoid breathing dust, fume, gas, mist, vapors and/or spray. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Wash thoroughly after handling. Wear protective gloves, clothing, and eye/face protection.

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. Take off contaminated clothing and wash before reuse.

IF exposed or concerned: Get medical advice/attention.

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



NFPA/HMIS RATINGS:

| | <u>Health</u> | <u>Fire</u> | <u>Reactivity</u> | <u>Degree of Hazard</u> |
|--------------|---------------|-------------|-------------------|------------------------------|
| NFPA RATING: | 1 | 0 | 0 | 0 - Minimal (Insignificant) |
| | | | | 1 - Slight |
| | | | | 2 - Moderate |
| | | | | 3 - Serious (High) |
| | | | | 4 - Severe (Extreme) |
| HMIS RATING: | 1* | 0 | 0 | * - Chronic Health Effect(s) |

PHYSICAL FORM: Solid

COLOR: Yellow

ODOR: Faint resin odor

HAZARDS: Irritant, Mechanical Irritant

OSHA: Irritant, Suspected Carcinogen

WHMIS: Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B



ROUTE OF ENTRY: Inhalation, Skin/Dermal, Eye/Ocular

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 a possible cancer hazard. Fiber glass wool has caused cancer in animals but has not produced cancer by inhalation in 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.

MUTAGENIC EFFECTS: 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"). IARC said that there is "no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacturing of these materials, and inadequate evidence over all of any cancer risk."

REPRODUCTIVE EFFECTS: No data available.

OTHER ACUTE EFFECTS: No data available.

OTHER CHRONIC EFFECTS: No data available.

POTENTIAL ENVIRONMENTAL EFFECTS: No data available.

See Section 12 for Ecological Information

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Composition/Information on Ingredients

| Product(s) Containing Component | Chemical Name | CAS | %(weight) | UN;EINECS | LD50/LC50 |
|--|--|--------------------|-------------|-----------|---|
| Commercial Blanket; HT (High Temperature) Blanket; Commercial Board (Plain,FSK, ASJ, PSK); Crimp Wrap (ASJ, Foil Scrim); Insulation for Flex Duct; Metal Building Insulation 202-96; Canadian Metal Building Insulation; OEM Board; Soft Touch Duct Wrap (Plain, FSK, PSK); Quickwrap Ductwrap; Marine Ductwrap; ToughGard Rigid Liner Board with Enhanced Surface; ToughGard Rigid Liner Board with Enhanced Surface; ToughGard R Duct Liner with Enhanced Surface; Ultra Duct Gold; Universal Blanket (Plain, FSK); ToughGard Duct Board with Enhanced Surface; ToughGard 2; ToughGard T | Fibrous glass | 65997-17-3 | 60% TO 100% | 266-046-0 | NDA |
| Commercial Blanket; HT (High Temperature) Blanket; Commercial Board (Plain,FSK, ASJ, PSK); Crimp Wrap (ASJ, Foil Scrim); Insulation for Flex Duct; Metal Building Insulation 202-96; Canadian Metal Building Insulation; OEM Board; Soft Touch Duct Wrap (Plain, FSK, PSK); Quickwrap Ductwrap; Marine Ductwrap; ToughGard Rigid Liner Board with Enhanced Surface; ToughGard Rigid Liner Board with Enhanced Surface; ToughGard R Duct Liner with Enhanced Surface; Ultra Duct Gold; Universal Blanket (Plain, FSK); ToughGard Duct Board with Enhanced Surface; ToughGard 2; ToughGard T | Phenol, polymer with formaldehyde and urea | 25104-55-6 | 10% TO 30% | NDA | <u>ori-rat LD50:>7 gm/kg</u> |
| ToughGard 2; ToughGard T | Phenolic resin binder (cured) | <i>Proprietary</i> | 0% TO 30% | NDA | NDA |
| Commercial Board (FSK, ASJ, PSK); Ultra Duct Gold; ToughGard Duct Board with Enhanced Surface | Acetic acid, vinyl ester, polymer | 9003-20-7 | 0% TO 5% | NDA | <u>ori-rat LD50:>25 gm/kg</u> <u>ori-rat LD50:>25 gm/kg</u> |
| ToughGard R Duct Liner with Enhanced Surface | Acrylic-based polymer | <i>Proprietary</i> | 0% TO 5% | NDA | NDA |
| Commercial Board (FSK, ASJ, PSK); Crimp Wrap (ASJ); Soft Touch Duct Wrap (FSK, PSK); Quickwrap Ductwrap (FSK); Marine Ductwrap (FSK); ToughGard Rigid Liner Board with Enhanced Surface; ToughGard Rigid Liner Board with Enhanced | Antimony oxide | 1309-64-4 | 0% TO 5% | 215-175-0 | <u>ori-rat LD50:>34600 mg/kg</u> <u>ori-rat LD50:>34 gm/kg</u> |

| | | | | | |
|---|-----------------------------------|-------------|----------|-----|-----|
| Surface; ToughGard R Duct Liner with Enhanced Surface; Ultra Duct Gold; Universal Blanket (FSK); ToughGard Duct Board with Enhanced Surface; ToughGard 2; ToughGard T | | | | | |
| ToughGard 2; ToughGard T | Latex textile rubber polymer | Proprietary | 0% TO 5% | NDA | NDA |
| Commercial Board (ASJ); Crimp Wrap (ASJ); ToughGard Duct Board with Enhanced Surface; ToughGard 2; ToughGard T | Poly(oxyethyleneoxyterephthaloyl) | 25038-59-9 | 0% TO 5% | NDA | NDA |

This product is considered Hazardous under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard). In Canada, this product 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. Apply artificial respiration and/or oxygen if necessary.

SKIN: After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of soap and water. If irritation develops or persists, seek medical attention.

EYE: Do not rub or scratch your eyes. If irritation persists get medical attention. In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes.

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

ANTIDOTES: No data available.

NOTES TO PHYSICIAN: No data available.

OTHER INFORMATION: No data available.

See Section 2 for Potential Health Effects

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use any media suitable for the surrounding fires

UNSUITABLE EXTINGUISHING MEDIA: No data available

FIREFIGHTING PROCEDURES: Fire fighters should avoid inhaling any combustion products.

PROTECTION OF FIREFIGHTERS:

Fire fighters 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 phenolic-based 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.

FLASH POINT: NA

FLASH POINT TEST TYPE: N/A

EXPLOSION LIMITS

UPPER: N/A LOWER: N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

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.

PROHIBITED MATERIALS: 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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

PPE:



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

SKIN/BODY PROTECTION: 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 is recommended.

ENGINEERING MEASURES/CONTROLS: Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Avoid spread of fiber glass dust.

LISTED EXPOSURE LIMITS:

Mexico

- Antimony oxide (1309-64-4): **TWAs:** (0.5 mg/m³ TWA (handling and use, Sb); 1 mg/m³ TWA (production)) | **Carcinogens:** (A2 - Suspected human carcinogen (use, handling, and production))
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb))

US State California

United States - ACGIH

- Fibrous Glass (65997-17-3): **TWAs:** (1f/cc (Synthetic Vitreous Fibers – continuous filament glass fibers))
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb)) | **TLV Basis - Critical Effects:** (skin and upper respiratory tract irritation)

United States – OSHA

- Fibrous Glass (65997-17-3): **TWA:** (15 mg/m³ (total nuisance dust)); (5 mg/m³ (respirable nuisance dust)) **NAIMA PEL:** 1f/cc (continuous filament glass fibers)
- Mechanical/OEM (RR-00585-6): **TWAs (Final PELs):** (0.5 mg/m³ TWA (Sb)) | **TWAs (Vacated PELs):** (0.5 mg/m³ TWA (Sb))

United States - NIOSH

- Fibrous Glass (65997-17-3): **REL/TWA:** (5 mg/m³ (total glass dust)); (3f/cc (respirable fibers))
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb))

Canada – British Columbia

- Fibrous Glass (65997-17-3): 1 fiber/cm³ TWA (fibers longer than 5 µm, with an aspect ratio of equal to/greater than 3:1) (related to Glass wool fibers)
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb))

Canada – Manitoba

- Fibrous Glass (65997-17-3): 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) (related to Glass wool fibers)
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb))

Canada – New Brunswick

- Fibrous Glass (65997-17-3): 1 fibre/cm³ TWA (fibers longer than 5 µm with a diameter less than 3 µm, aspect ratio greater than 5:1) (related to Glass wool fibers)
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb))

Canada – Northwest Territories

- Fibrous Glass (65997-17-3): 3 fibres/cm³ TWA (with a diameter <=3.5 µm and a length >=10 µm); 5 mg/m³ TWA (total mass) (related to Mineral wool fiber)
- Antimony oxide (1309-64-4): **TWAs:** (0.5 mg/m³ TWA (Sb, production, handling and use)) | **STELs:** (1.5 mg/m³ STEL (Sb, production, handling and use))

Canada – Nova Scotia

- Fibrous Glass (65997-17-3): 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) (related to Glass wool fibers)
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb)) | **STELs:** (1.5 mg/m³ STEL (Sb))

Canada – Nunavut

- Fibrous Glass (65997-17-3): 3 fibre/cm³ TWA (with a diameter <=3.5 µm and a length >=10 µm); 5 mg/m³ TWA (total mass) (related to Mineral wool fiber)
- Antimony oxide (1309-64-4): **TWAs:** (0.5 mg/m³ TWA (Sb, production, handling and use)) | **STELs:** (1.5 mg/m³ STEL (Sb, production, handling and use))

Canada – Ontario

- Fibrous Glass (65997-17-3): 1 fibres/cm³ TWAEV (respirable, length>5 microns, aspect ratio>= 3.1) (related to Glass wool fibers)
- Antimony oxide (1309-64-4): **TWAEVs:** (0.5 mg/m³ TWAEV (handling and use, Sb))

Canada – Quebec

- Fibrous Glass (65997-17-3): 2 fibres/cm³ TWAEV (respirable) (related to Insulation wool fibers, glass wool)
- Antimony oxide (1309-64-4): **TWAEVs:** (0.5 mg/m³ TWAEV (Sb))

Canada – Yukon

- Fibrous Glass (65997-17-3): 30 mppcf TWA; 10 mg/m³ TWA (respirable mass) (related to Mineral wool fiber)
- Mechanical/OEM (RR-00585-6): **TWAs:** (0.5 mg/m³ TWA (Sb)) | **TWAs:** (0.5 mg/m³ TWA (Sb)) | **STELs:** (0.75 mg/m³ STEL (Sb)) |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Solid

APPEARANCE/DESCRIPTION: Yellow fibers assembled into blankets or loose fill with faint resin odor. 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: | > 2550 F(> 1398.8889 C) | VAPOR PRESSURE: | NDA |
| MELTING POINT/FREEZING POINT: | 2550 F(1398.8889 C) | VAPOR DENSITY: | NDA |
| SPECIFIC GRAVITY: | 2.5 | EVAPORATION RATE: | NDA |
| DENSITY: | 20.8625 lbs/gal | VOC (WT.): | NDA |
| BULK DENSITY: | NDA | VOC (VOL.): | NDA |
| WATER SOLUBILITY: | Slightly Soluble | VOLATILES (WT.): | NDA |
| SOLVENT SOLUBILITY: | NDA | VOLATILES (VOL.): | NDA |
| VISCOSITY: | NDA | FLASH POINT: | NDA |
| HALF-LIFE: | NDA | FLASH POINT TEST TYPE: | NDA |
| OCTANOL/WATER PARTITION COEFFICIENT: | NDA | UEL: | NDA |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: | NDA | LEL: | NDA |
| BIOACCUMULATION FACTOR: | NDA | AUTOIGNITION: | NDA |
| PH: | NDA | | |

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Hazardous polymerization not indicated.

CONDITIONS TO AVOID: Keep away from heat, ignition sources and incompatible materials.

INCOMPATIBLE MATERIALS: Hydrofluoric acid (7664-39-3)

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

ACUTE TOXICITY: 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.

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"). IARC said that there is "no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacturing of these materials, and inadequate evidence over all of any cancer risk."

COMPONENT CARCINOGENICITY:

Fiberglass mat, which is made from either: Continuous filament fiber glass (encapsulated) or Fibrous glass (65997-17-3):

| | |
|--------|---|
| ACGIH: | A3 - Confirmed animal carcinogen with unknown relevance to humans (related to Glass wool fibers) |
| NTP: | Reasonably Anticipated To Be A Carcinogen (respirable size) (related to Glass wool) (Possible Select Carcinogen) |
| IARC: | Monograph 81 [2002] (listed under Man-made mineral fibers), Monograph 43 [1988] (related to Insulation glass wool) (Group 3 (not classifiable)) |

Antimony trioxide (1309-64-4):

| | |
|--------|--|
| ACGIH: | A2 – Suspected Human Carcinogen (production) |
| IARC: | Monograph 47 [1989] (Group 2B – Possibly Carcinogenic to Humans) |

SECTION 12 - ECOLOGICAL INFORMATION

PRODUCT INFORMATION: 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. This material is not expected to be harmful to aquatic life.

ECOLOGICAL FATE: No information available for the product.

PERSISTENCE / DEGRADABILITY: No information available for the product.

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.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT 49 CFR 172.101:

SHIPPING NAME: Not Classified as a Hazardous Material for Transport

TDG - CANADA - TRANSPORT OF DANGEROUS GOODS:

SHIPPING NAME: Not Classified as a Dangerous Good for Transport

SECTION 15 - REGULATORY INFORMATION

SARA HAZARD CLASSIFICATIONS:

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

US FEDERAL:

GENERAL PRODUCT INFORMATION:

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

CERCLA:

This material contains chemicals required to be identified under CERCLA (40 CFR 302.4):

- Antimony oxide (1309-64-4) 5 to 1% 1000 lb final RQ; 454 kg final RQ

STATE REGULATIONS:

COMPONENT ANALYSIS - STATE:

The following components appear on one or more of the following state hazardous substances lists or Right to Know lists:

| Component | CAS # | CA | MA | MN | NJ | PA | RI |
|--|------------|-----|-----|-----|-----|-----|-----|
| Fiberglass mat, which is made from either: Continuous filament fiber glass (encapsulated) or Fibrous glass (related to Mineral wool fiber) | 65997-17-3 | Yes | Yes | Yes | No | Yes | Yes |
| Antimony trioxide | 1309-64-4 | Yes | Yes | Yes | Yes | Yes | Yes |

CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT (PROPOSITION 65):

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING!

This product contains a chemical known to the state of California to cause cancer.

CANADIAN WHMIS INFORMATION:

GENERAL PRODUCT INFORMATION:

Class D - Poisonous and Infectious Materials - Division 2 - Subdivision A, Class D - Poisonous and Infectious Materials - Division 2 - Subdivision B

COMPONENT ANALYSIS - WHMIS IDL:

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

- Antimony oxide (1309-64-4) 5 to 1% 1 %

ADDITIONAL REGULATORY INFORMATION:

GENERAL PRODUCT INFORMATION:

Temporary irritation may be observed in the upper respiratory system, eyes, and skin. Use of these products has not been shown to cause cancer in humans. Fiber glass wool is a possible cancer hazard. Fiber glass wool has caused cancer in animals but has not produced cancer by inhalation in humans.

COMPONENT ANALYSIS – INVENTORY:

| Component | CAS # | TSCA | DSL | EINECS |
|--|------------|------|-----|--------|
| Fiberglass mat, which is made from either: Continuous filament fiber glass (encapsulated) or Fibrous glass | 65997-17-3 | Yes | Yes | Yes |
| Phenol, polymer with formaldehyde and urea | 25104-55-6 | Yes | Yes | No |
| Acetic acid, vinyl ester, polymer | 9003-20-7 | Yes | Yes | No |
| Poly(oxyethyleneoxyterephthaloyl) | 25038-59-9 | Yes | Yes | No |
| Antimony oxide | 1309-64-4 | Yes | Yes | Yes |

SECTION 16 - OTHER INFORMATION

PREPARATION DATE: 3/28/2002

LAST REVISION DATE: 8/17/2010

DISCLAIMER: 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 Material Safety Data Sheet before handling product.

For reference to the acronyms/definitions used in this MSDS please visit www.certainteed.com.

MSDS HISTORY:

MSDS REVISION SUMMARY:

| Date | MSDS No. | Changes |
|-------------|-----------------|--|
| 1/18/2010 | CT-10101-2 | <ul style="list-style-type: none">• MSDS format change (new ANSI Z400.2004 & GHS v .2007 format) Section 2 – GHS (v. 2007) Classifications |
| 8/17/2010 | CT-10101-2 | <ul style="list-style-type: none">• Add HT (High Temperature) Blanket, Quickwrap Ductwrap, Marine Ductwrap, Canadian Metal Building Insulation• Logo Change |

This is the end of MSDS CT 10101-3.