

1 May 2024

# TC-417 & AF90 SPRAY ON INSULATION

## MATERIAL SAFETY DATA SHEET

**Manufacturer:** ThermaCoustic Industries International Limited  
U108,20119-113B Avenue  
Maple Ridge BC V2X 0Z1 CANADA  
Tel (604) 460 1476

**Supplier:** Enviro Acoustics Pty Ltd  
Unit 4, 29-33 Charles Street,  
St Marys NSW 2760 AUSTRALIA Tel: (02) 9623 4400

### SECTION 1

### PRODUCT IDENTIFICATION AND USE

**Product Name:** TC-417 Thermal and acoustic fibre / AF90 acoustic fibre  
**Generic Name:** Mixture/fibreglass insulation  
**Use:** Spray Applied & thermal and acoustic insulation - Condensation Control  
**CAS Number:** 65997-17-3

### SECTION 2

### REPORTABLE/HAZARDOUS INGREDIENTS

**Cas #.Component Percent:** 65997-17-3 fibreglass 99% maximum  
64742-65-0 or 64742-547 distillates (petroleum), solvent dewaxed and/or hydro treated  
heavy paraffinic 2.5% maximum

This product is classified as hazardous as per NOHSC's Approved Criteria  
for Classifying Hazardous Substances [NOHSC:1008 (2004)]

### SECTION 3

### PHYSICAL DATA

**Material State:** Mixture  
**Physical State:** Loose Glass Fibres  
**Odour & Appearance:** No odour, fine white fibres  
**Odour Threshold:** N/A  
**Vapour Pressure (mm/Hg)** N/A  
**Vapour Density:** N/A  
**Evaporation Rate:** N/A  
**Boiling Point:** N/A  
**Melting Point:** 700°C  
**Solubility (H<sup>2</sup>O):** Small  
**Specific Gravity:** 2.5  
**VOC:** Very Low

## SECTION 4

## FIRE AND EXPLOSION DATA

Flammability:	Non- Flammable
Flashpoint:	N/A
Upper Flammable Limit:	N/A
Lower Flammable Limit:	N/A
Auto Ignition Temperature	N/A
Sensitivity to Mechanical Impact:	No
Sensitivity to Static Discharge:	No
Extinguishing Media:	Foam, Dry Chemical
Specific Fire Fighting Procedure:	None
Explosion or Fire Hazards:	None expected
Hazardous Combustion Products:	Carbon monoxide (from additives to fibre)
NFPA Ratings:	Health: 0 Fire: 0 Reactivity: 0
AS 5637:	Group 1

## SECTION 5

## HEALTH EFFECTS DATA

Stability:	Stable under normal conditions
Incompatibility:	Hydrofluoric acid
Possible Hazardous Reactions:	None
Hazardous Decomposition Product:	A non-hazardous mineral oil dust suppressant additive in a concentration of <2.5% may emit carbon monoxide as a decomposition product

## SECTION 6

## TOXICOLOGICAL PROPERTIES

Route of Entry:	Inhalation, skin and eye contact
Effect of acute exposure to product:	None known
Effect of acute exposure to skin:	May cause skin irritation
Effect of acute Inhalation:	May cause temporary irritation of upper respiratory tract
Effect of ingestion:	Unlikely, but may cause gastrointestinal irritation. Contact a physician if unusual reaction is noted
Effect of Acute eye contact:	May irritate eye tissue
Medical conditions aggravated by exposure:	Any pre-existing conditions which may be aggravated by mechanical irritants upon inhalation or skin contact
Effect of long-term exposure:	Unknown
Carcinogenicity:	None Reported
HMIS Ratings:	Health: 1*; Fire: 0, Physical Hazard: 0

## SECTION 7

## PREVENTIVE MEASURES

Personal protective equipment:	Wear disposable or other coveralls, preferably with a hood and gloves
Respirator:	Not required under normal conditions, but use of a NIOSH approved dust mask (P2) is recommended
Eye:	Wear goggles, safety glasses or face shield
Footwear:	Wear suitable shoes
Engineering controls:	Local standards, use in well ventilated area
Leak and spill procedure:	Vacuum dust deposits. Place in an appropriate container for disposal. Avoid generating dust during clean up. Dispose of in accordance with federal/state and local regulations in a permitted waste management facility
Note:	To reduce possibility of skin irritation wash work clothes separately and rinse washer after use

## SECTION 8

## FIRST AID/PERSONAL PROTECTION/EXPOSURE CONTROL

<b>Eyes:</b>	Do not rub eyes, as fibres may scratch the eye. Immediately flush eyes with large amounts of water for at least 15 minutes. If irritation persists seek medical attention.
<b>Skin:</b>	Wash exposed areas with soap and water. If irritation develops or persists seek medical attention. Skin irritation responds well to mild hydrocortisone cream
<b>Ingestion:</b>	Ingestion of this product is unlikely. If ingested, do not induce vomiting. If an unusual reaction is noted, contact a physician
<b>Component exposure limits:</b>	
a) <b>Fibreglass (65997-17-3)</b>	Exposure Standard (TWA) is the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should not impair the health or cause undue discomfort to nearly all workers.
OSHA PEL:	15mg/m <sup>3</sup> (as total nuisance dust)
ACGIH TLV:	5mg/m <sup>3</sup> (as respirable nuisance dust)
NIOSH REL:	1 f/cc respirable fibres, length >5µm, aspect ratio ≥ 3:1 as determined by the membrane filter method at 400-450x magnification (4mm objective), using phase contrast illumination (related to glass wool fibres)
NAIMA:	5mg/m <sup>3</sup> as total fibrous glass, or 3f/cc TWA fibres ≤3.5 µm in diameter and ≥10µm in length
b) <b>Distillates (petroleum), Solvent Dewaxed and/or Hydro treated Heavy Paraffinic (64742-65-0 Or 64752-54-7)</b>	1 f/cc (HSPP Voluntary recommended exposure limit)
OSHA EPL:	500ppm (as petroleum distillates); 5mg/m <sup>3</sup> (as oil mist, mineral)
ACGIH TLV:	5mg/m <sup>3</sup> (as oil mist, mineral)
NOISH REL:	350ppm (as petroleum distillates); 5mg/m <sup>3</sup> (as oil mist, mineral)

## SECTION 9

## TOXICOLOGICAL INFORMATION

### Carcinogenicity:

#### A. Component Carcinogenicity:

In accord with EU ATP 31 (2009) these fibres are not classified as irritant, and being bio-soluble they are not regarded as carcinogenic. TC417 / AF90 are bio-soluble, which means that any fibres inhaled into the lungs dissolve in body fluids and are then cleared from the lungs. They are noted as having low biopersistence, e.g. after inhalation, as specified under Note Q as listed in the Australian Hazardous Substances Information System and in the Australian Approved Criteria documentation. Fibres of these products comply with the short-term bio-persistence test and fulfil the requirements of Australian and international authorities on bio-solubility. SWA (formerly ASCC/NOHSC) and international authorities do not classify mineral wool fibres with high bio-solubility as carcinogenic or as capable of causing fibrosis. Fibreglass (65997-17-3):

### Mutagenicity:

No information available for this product

### Teratogenicity:

No information available for this product

### Developmental Effects:

No information available for this product

## SECTION 10

## ECOLOGICAL INFORMATION

#### A. General Product Information:

No information available for this product

#### B. Component Analysis:

No information available for the components of this product.

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

TC-417 / AF 90 fibre is manufactured by CertainTeed Corporation and meets GREENGUARD Emission Standards. CertainTeed's certification confirm compliance with GREENGUARD Emission Standards, which are based on criteria used by the State of Washington, the U.S. Environmental Protection Agency (EPA), OSHA and the World Health Organization for total particulate and Volatile Organic Compounds (VOC) emissions, including formaldehyde. Additionally, TC-417 meets the following emission criteria: California Section CA1350 material specification for schools and offices; OSHA Purchase Specification; State of Washington; EPA; and Proposed State of California. It also meets the EPA Recovered Material Guidelines for recycled content.

## SECTION 11

## WASTE DISPOSAL CONSIDERATIONS

### EPA Waste Number & Descriptions

- A. General Product Information:** Wastes must be tested using methods described in 40CFR Part 61 to determine if it meets applicable definitions of hazardous wastes.
- B. Component Waste Numbers:** No EPA-listed waste Numbers are being shown for this product's components. Dispose of waste material according to Federal, State, local environmental regulations

## SECTION 12

## TRANSPORTATION INFORMATION

### Transport Information:

TC417 / AF90 are classified as Non-Hazardous according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC: 1008] 3rd Edition. TC417 /AF90 Glasswool Insulation is classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

### National Motor Freight Class (NMFC) International Transport Regulations:

10330s3, Insulation Material – NOI (Not otherwise indexed)  
This product is not regulated as a hazardous material by Canadian, US and Australian transportation regulations.

## SECTION 13

## US FEDERAL & STATE REGULATIONS

### A: 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 confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by supplier.

### B: CERCLA

None of the components of this product are present at an amount of reportable to the National Response Centre under the Comprehensive Environmental Response, Compensation and liability Act (CERCLA:40 CFR 302.4) or to state and local Emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA, Title III, Section 304)

### STATE REGULATIONS

### A: General Product Information:

Other state regulations may apply. Check individual state requirements

### B: Component Analysis – State:

The following components appear on one or more of the following state hazardous substances lists

Component	CAS#	CA	MA	MN	NJ	PA	RI
Fibre Glass	65997-17-3	Yes	No	Yes	Yes	Yes	Yes
Distillates (petroleum), solvent dewaxed and/or hydro treated heavy paraffinic	64742-65-0 / 64742-54-7	No	Yes	Yes	No	Yes	Yes

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