

# Safety Data Sheet

## 1. IDENTIFICATION

**Product name:** Composite Fibre, Pultrusion

**Recommended use:** Building material

**Supplier:** Wagners Composite Fibre Technologies

**Street address:** 11 Ballera Court, 1511 Toowoomba-Cecil Plains Road, Wellcamp QLD 4350

**Telephone:** +61 7 4637 7777

**Emergency phone number:** +61 7 4637 7777

## 2. HAZARD(S) IDENTIFICATION

This material is non-hazardous according to the criteria of Safe Work Australia.

### Signal Word

None

### Hazard Classifications

Non-hazardous

### Hazard Statements

None

### Prevention Precautionary Statements

None

### Response Precautionary Statements

None

### Storage Precautionary Statements

None

### Disposal Precautionary Statements

None

**Poison Schedule:** Not Applicable

### DANGEROUS GOODS CLASSIFICATION:

Not Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No.	PROPORTION (% w/w)
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[[1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (Vinylester resin)	25036-25-3	20%
Glass fibre	65997-17-3	76%
Ingredients classified as non-hazardous	Not disclosed	Balance to 100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

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**Inhalation:** In the event of significant inhalation of the dust of the product (for example, dust produced by the cutting or sanding of the product), remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. Seek medical advice if any symptoms develop.

**Skin Contact:** If swelling, redness, blistering or irritation occur seek medical assistance. For gross contamination by dust of the product, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. Seek medical assistance if any symptoms develop.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for at least 15 minutes and seek medical assistance if eye damage is apparent or if eye irritation persists.

**Ingestion:** Rinse mouth with water if ingestion of dust of the product has occurred. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear gloves and safety glasses and (if extensive dust of the product is at the location of the patient) a respirator. If inhalation risk exists wear dust mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Wash clothing and other protective equipment that's contaminated by dust of the product before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Hazchem Code:** Not applicable

**Suitable extinguishing media:** The product is not considered to be combustible. If the product is involved in a fire use extinguishing media appropriate to the surrounding fire.

**Specific hazards:** In conditions of intense combustion, oxides of carbon may be given off.

**Fire fighting further advice:** None.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear personal protective equipment to prevent skin and eye contamination. Avoid inhalation of any dust of the product. Clean up in a way that minimises the mobilisation of any dust of the product. Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust of the product. If no dust of the product is visible, collect for disposal or recycling. If there is dust of the product to be cleared from the site, clean up in a way that minimises the generation of dust then seal in properly labelled containers or drums for disposal.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable.

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact with dust of the product and repeated or prolonged skin contact. Avoid inhalation of dust of the product.

**Storage:** No special storage conditions apply.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**National occupational exposure limits:**

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Exposure limit:	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Glass wool	Not applic.	2 (inhalable dust)	Not applic.	-	Notes (i), (j), (k) & (m) from Safework document (see below)
Nuisance dust (inhalable)	Not applic.	10 (inhalable dust)	Not applic.	-	-

As published by Safe Work Australia.

Under "Notices" in the table above, the following notes apply from the Safework Australia document "Workplace Exposure Standards for Airborne Contaminants (December 2019):

*Note (i): As described in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 81, Man-Made Vitreous Fibres (MMVF), pp. 45-54, 2002, IARC Press, Lyon, France.*

*Note (j): Where almost all the airborne material is fibrous MMVF, an inhalable dust exposure standard of 2 mg/m<sup>3</sup> (8 hour TWA) must also be applied to minimise mechanical irritation from largely non-respirable fibre. This inhalable standard is not to take precedence over the respirable fibre standard, where applicable. For those applications where MMVF is combined with other material such that the proportion of respirable fibres is extremely low or is difficult to measure because of the larger portion of non-fibrous MMVF material, it is appropriate to apply the exposure standard for nuisance dusts of 10 mg/m<sup>3</sup>, measured as inhalable dust (8 hour TWA).*

*Note (k): MMVF with random orientation, alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight.*

*Note (m): Any MMVF which have been tested according to the test protocol Methods for the Determination of the Hazardous Properties for Human Health of Man Made Mineral Fibres April 1999 and Note Q in EC Regulation No. 1272/2008 page 353/335 and found to comply with these tests.*

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** When dust of the product is generated, ensure that ventilation is adequate to maintain air concentrations below Exposure Standards. If dust of the product is being generated use with local exhaust ventilation or while wearing appropriate respirator.

#### Personal Protection Equipment:

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

The following instructions apply if there is a possibility of being exposed to dust of the product. Wear gloves and safety glasses. Use with adequate ventilation. If inhalation risk exists (for example, when handling the substance in a poorly ventilated area) wear a respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Gloves that exclude dust are adequate. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating or drinking. Wash contaminated clothing and other protective equipment before storing or re-using.

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**Hygiene measures, applicable if there is a possibility of being exposed to dust or granules of the product:** Keep away from food, drink and animal feedstuffs. When using do not eat, drink or smoke. Avoid contact with clothing. Avoid eye contact and prolonged skin contact. Avoid inhalation of dust of the product. Ensure that a source of water is available for washing exposed parts of the body or contaminated clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Solid, with hollow sections.
<b>Appearance/Colour:</b>	Opaque, with varying colours
<b>Odour:</b>	None
<b>Solubility:</b>	In soluble in water
<b>Specific Gravity (Water = 1):</b>	2.0
<b>Relative Vapour Density (air=1):</b>	N. Av.
<b>Vapour Pressure (20°C):</b>	N. Av.
<b>Flash Point (°C, for 90% ethanol):</b>	N. App.
<b>Flammability Limits (%):</b>	N. App.
<b>Autoignition Temperature (°C):</b>	N. App.
<b>Melting Point/Range (°C):</b>	N. Av.
<b>Boiling Point/Range (°C):</b>	N. Av.
<b>pH:</b>	N. Av.
<b>Viscosity:</b>	N. Av.
<b>Total VOC (g/Litre):</b>	N. Av.

Typical values only.

N. Av. = Not available, N. App. = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures.

**Incompatible materials:** Strong bases and strong oxidising agents.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health are effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects:

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** Eye contact may result in irritation or mechanical damage to the eyes.

### Acute toxicity:

**Inhalation:** This material does not meet the classification criteria for acute toxicity (inhalation). Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas

**Skin contact:** This material does not meet the classification criteria for acute toxicity (oral). Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Ingestion:** This material does not meet the classification criteria for acute toxicity (oral). Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

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**Corrosion/Irritancy:** This material does not meet the classification criteria for skin corrosion or skin irritancy.

**Sensitisation (inhalation):** This material does not meet the criteria for classification as a respiratory sensitiser.

**Sensitisation (skin):** Based on determination of the concentration of bisphenol-A monomer in this material, it has been found not to meet the criteria for classification as a skin sensitiser.

**Aspiration hazard:** This material does not meet the criteria for classification as an aspiration hazard.

**Specific target organ toxicity (single exposure):** This material does not meet the classification criteria for specific target organ toxicity (single exposure).

## Chronic Toxicity:

**Mutagenicity:** This material does not meet the classification criteria for germ cell mutagenicity.

**Carcinogenicity:** This material does not meet the classification criteria for carcinogenicity.

**Reproductive toxicity (including via lactation):** This material does not meet the classification criteria for reproductive toxicity.

**Specific target organ toxicity (repeat exposure):** This material does not meet the classification criteria for specific target organ toxicity (repeat exposure).

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or  $BCF < 500$  and/or  $\log K_{ow} < 4$ .

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. Containers should be washed out before recycling to reduce the risk of fire. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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## 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants) The  
Rotterdam Convention (Prior Informed Consent)  
International Convention for the Prevention of Pollution from Ships (MARPOL)  
Basel Convention (Hazardous Waste)

**This material/constituent(s) is covered by the following requirements:**

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

## 16. ANY OTHER RELEVANT INFORMATION

Reason for issue: Revision of SDS

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client.

Safety Data Sheets should be reviewed every five years and more frequently if new information on the ingredients emerges. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.