

Wagners Pull-Wound GFRP

1 Material and Supplier Information

1.1 Product Identifier

Product Name:	Wagners Pull-Wound GFRP
Other Names:	GFRP Pultrusion
Product Identifier:	Description

1.2 Product Use

Recommended Use:	Civil structural applications. No restrictions.
Restrictions of use:	Not fit for consumption, do not ingest.

1.3 Details of the manufacturer

Company Details:	Wagners Composite Fibre Technologies 11 Ballera Court, Wellcamp QLD 4350
Telephone:	+61 7 4637 7777
Website:	www.wagner.com.au

1.4 Emergency Telephone Number(s)

Emergency:	International: +617 4637 7707 (Safety Hotline)
Emergency after hours:	13 11 26 (Poisons Information Centre)

2 Hazards Identification

2.1 Classification of Material

Not Classified as Hazardous according to the criteria of the Global Harmonised System and WHS Regulations

GHS Classification(s):	None
------------------------	------

2.2 Label Elements & Precautionary Statements

Signal Word:	None
Pictogram(s):	None
Hazard Statement(s):	None.
General Statement(s):	None.
Prevention Statement(s):	P242 Use only non-sparking tools P261 Avoid breathing fumes if burning
Response Statement(s):	P370+P380 In case of fire: Evacuate area (may emit hazardous fumes)
Storage Statement(s):	None.
Disposal Statement(s):	None.

2.3 Other hazards which do not result in classification:

This SDS only considers the material in hard, extruded, form. If burned or heated excessively, the material may form hazardous degradation products.

No hazardous filler material that could be released by cutting was identified in the material.

3 Composition / Information on Ingredients

3.1 Ingredients

Ingredients	CAS Number	Proportion (w/w%)
Vinyl-ester resin (Bisphenol A)	25036-25-3	~ 20 %
Glass Fibre	65997-17-3	~ 80 %

Ingredient Notes:	1. Heating to over 1100°C may produce hazardous fumes and convert filler material to crystalline silica. 2. No other ingredients identified by post production analysis.
--------------------------	---

4 First Aid Measures

4.1 Description of First Aid Measures

Ingestion:	Unlikely route of exposure. Seek medical attention if symptoms persist.
Eye Contact:	If in eyes flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. Do not attempt to remove solid particles embedded in the eye. If symptoms such as irritation, pain or redness persist, seek medical attention.
Skin Contact:	Remove heavily contaminated clothing immediately. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin.
Inhalation:	Due to product form and nature of use. Inhalation hazard is not anticipated however if inhalation occurs remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a

	face mask if breathing is difficult. If irritation develops seek medical attention immediately.
<i>Recommended First aid facilities</i>	Recommend eye wash station or equipment as eye contact is common.

4.2 Symptoms caused by exposure

No known symptoms.

4.3 Medical Attention and Special Treatment

<i>Advice to Doctor:</i>	Treat symptomatically
--------------------------	-----------------------

5 Fire Fighting Measures

5.1 Suitable Extinguishing Equipment

Use dry powder for extinction - Do not use water with full jet. Carbon dioxide has been found ineffective.

5.2 Specific hazards arising from the product

Non - flammable, Hazardous and irritating degradation products when heated above 300 °C including carbon monoxide, carbon dioxide, and phenols.

5.3 Special Protective Equipment and Precautions for Fire Fighters

If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Do not inhale explosion gases or combustion gases.

Contain runoff from fire control or dilution water - Runoff may pollute waterways

5.4 Hazchem Code:

None Allocated

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

If material has been heated, prevent spillage of wash down water from entering sewers drains, stormwater and watercourses.

If contamination of drains or watercourses has occurred, advise the relevant state environment protection agency.

6.3 Methods and materials for containment and clean up

No special handling required.

7 Handling and Storage

7.1 Precautions for safe handling

Use of safe work practices are recommended to avoid eye contact and inhalation. Observe good personal hygiene, including washing hands before eating drinking, smoking or using the toilet.

7.2 Conditions for safe storage, including any incompatibilities

No special storage requirements.

8 Exposure Controls / Personal Protection

8.1 Control Parameters

Exposure Standards:

Contains no substances with occupational exposure limit values.

Reference Key

None applicable.

Biological Monitoring:

No biological limit values have been entered for this product.

8.2 Appropriate engineering controls

- When cutting, or if ignition sources are present, a system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

8.3 Personal Protective Equipment (PPE)

PPE should be used only when other control measures (for example, elimination, substitution, isolation, engineering controls) have been found to be impracticable or in conjunction with one or more control measures.

<i>Respirator Type (AS1719):</i>	Not applicable.
<i>Eye & Face Protection:</i>	Not applicable
<i>Glove Type:</i>	Not applicable.
<i>Clothing:</i>	Not applicable.
<i>Footwear:</i>	Not applicable.

9 Physical and Chemical Properties

Key	Info
Appearance:	White formed hard plastic
Odour:	Odourless
Odour Threshold:	Not Available
pH:	Not applicable
Melting / Freezing point:	~ 158 °C
Boiling Point / Range:	Not Applicable
Flash Point:	Not Relevant
Evaporation Rate:	Not Applicable
Flammability:	Non Flammable
Upper explosive limit:	Not Relevant
Lower explosive limit:	Not Relevant
Vapour Pressure:	Not Applicable
Vapour Density:	Not Applicable
Relative Density:	2.0 g/cc
Solubility(ies):	Water - Insoluble Acid – Somewhat Soluble
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition temperature:	Not Available
Decomposition temperature:	>300 °C - Will evolve toxic gases if heated to decomposition.
Viscosity:	Not applicable.
Specific heat value:	Not Available
Particle size:	As extruded
Volatile Organic compound content:	Not Available
% volatile:	Not Available
Saturated vapour concentration:	Not Applicable
Release of invisible flammable vapours and gases:	May evolve toxic gases if heated to decomposition.

10 Stability and Reactivity

10.1 Reactivity:

Non-reactive.

10.2 Chemical Stability:

Stable under recommended conditions of storage.

10.3 Conditions to avoid:

Heating product above 300°C.

10.4 Incompatible materials and possible hazardous reactions:

None

10.5 Hazardous decomposition products

May evolve toxic gases if heated to decomposition.

11 Toxicological Information

11.1 Information on routes of exposure

Route of Exposure	Symptoms related to exposure	
	Acute / Immediate / Short term exposure	Chronic /Delayed /long term exposure

Route of Exposure	Symptoms related to exposure	
	Acute / Immediate / Short term exposure	Chronic /Delayed /long term exposure
Skin contact	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.
Eye contact	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.
Aspiration	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.	Unlikely route of exposure. If cutting or grinding, dust may be an irritant.
Swallowed	Unlikely route of exposure.	Unlikely route of exposure.

11.2 Exposure Levels / Acute Toxicity

Oral:

Component	Oral LD50 (Single Dose)
No Data Available	

Inhalation:

Component	Inhalation LC50 (Single Dose)
No Data Available	

Dermal:

Component	Dermal LD50 (Single Dose)
No Data Available	

11.3 Interactive effects

Key	Info
Acute toxicity	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
Sensitization	This product is not classified as a skin or respiratory sensitiser.
Mutagenicity	Insufficient data available to classify as a mutagen.
Carcinogenicity	This product does not contain carcinogens when handled appropriately.
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT – single exposure	Over exposure to dust (if generated) may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.
STOT – repeated exposure	Over exposure to dust (if generated) may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.

12 Ecological Information

12.1 Eco-toxicity:

This product is non-toxic to aquatic organisms when present as a cured solid.

12.2 Persistence and Degradability:

Persistent with low degradability >100years.

12.3 Bio accumulative Potential

Product is not expected to bio accumulate.

12.4 Mobility in soil:

Low mobility would be expected in a landfill situation.

12.5 Other adverse effects:

Can block drains & waterways. Avoid contamination to drains and waterways.

13 Disposal Considerations

13.1 Safe handling and disposal methods

Reuse or recycle where possible. Ensure measures are taken to prevent dust generation. Contact the manufacturer/supplier for additional information (if required).

Keep out of sewer and storm water drains.

Recycling into other construction products is usually a practicable alternative.

May be disposed of as inert landfill in accordance with local authority regulations or reused / crushed & recycled into other construction materials or manufactured landfill.

13.2 Disposal of any contaminated packaging

Not Applicable

13.3 Environmental regulations

Dispose of in accordance with relevant local legislation.

14 Transport Information

Transportation is done in bulk by road or ship.

UN Number:	Not classified as dangerous for transport by ADG code.
Proper Shipping Name:	None Allocated
Transport Hazard Class:	None Allocated
Packing Group:	None Allocated
Environmental Hazards:	No Information provided
Special Precautions During Transport:	None Allocated
Hazchem Code:	None Allocated

15 Regulatory Information

15.1 Safety health and environmental regulations specific for the product

Poisons Schedule:	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classification:	Not classified as hazardous.

16 Other Information

For further information on this product, contact:

Telephone: +61 7 4637 7777

Website: www.wagner.com.au

Additional Information	PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.	
References:	AS/NZS 1336 Recommended practices for occupational eye protection. AS/NZS 1715 Selection, use and maintenance of respiratory protective devices. AS/NZS 1716 Respiratory protective devices. AS 2161 Industrial safety gloves and mittens (excluding electrical and medical glove). Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals (February 2016) Safe Work Australia – Workplace exposure standard for airborne contaminants.	
Advice Note:	The information in this document is believed to be accurate. Please check the currency of this SDS by Contacting (07) 4637 7777. The provision of this information should not be construed as a recommendation to use this product in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.	
Abbreviations:	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

16.1 Document Information:

Date Issued:	28/09/2023
Date Last Reviewed:	28/09/2023
Last Reviewed by:	Nimue Pendragon
Expiry date:	28/09/2028
Revision Number:	Revision number is listed in the footer of this document.

All printed and electronic copies of this SDS not stored in Wagner's document control system are uncontrolled.