

Safety Data Sheet

413 Microfibers West System

Version 1



ATL composites

Section 1: Identification of the substance / mixture and of the supplier

Trade Name	413 Microfibers West System
Product Code	413
Recommended Use	Used in conjunction with epoxy curing agent for adhesive and composites applications
Company	ATL Composites
Address	12-14 Production Ave Ernest 4214
Telephone	+61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)
Emergency Telephone Number	+61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)
Revision Date	3 rd March 2022

Section 2: Hazards Identification

GHS Classification: Not Classified

GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement(s)

May form combustible dust concentrations in the air

Precautionary statement(s)

Keep away from all ignition sources including heat, sparks and open flame.
Prevent dust accumulations to minimise explosion hazard.

Section 3: Composition / Information on Ingredients

Component	Classification	Concentration
Cellulose pulp (natural substance)	65996-61-4	70 - 90

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Synthetic amorphous pyrogenic silica	112945-52-5	10 - 30
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Section 4: First Aid Measures

Inhalation	SYMPTOMS: Excessive exposure may cause coughing, respiratory irritation or shortness of breath due to temporary lung overload. RESPONSE: Remove to fresh air if symptoms develop and keep comfortable for breathing. Seek medical advice if symptoms persist.
Ingestion	SYMPTOMS: No acute adverse health effects expected from amounts ingested under normal conditions of use. RESPONSE: Seek medical attention if a significant amount is ingested.
Skin	SYMPTOMS: May cause skin dryness or slight irritation. RESPONSE: Wash with mild soap and water. Consult a physician if effects occur and persist.
Eye	SYMPTOMS: Excessive exposure may cause irritation and tearing. RESPONSE: Flush with water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician as a precautionary measure if symptoms develop and persist.
First Aid Facilities	Eye wash and normal wash room facilities.
Advice to Doctor	Treat symptomatically
Other Information	For advice, contact a Poisons Information Center (Phone e.g Australia 131 126)

Section 5: Fire Fighting Measures

Suitable extinguishing media	SUITABLE: Foam, carbon dioxide (CO ₂), water, or dry chemical. Fog or mist is recommended if water is used. NON-SUITABLE: Avoid using high pressure media.
Hazards from combustion products	May form combustible dust concentrations in the air. See Section 9 for additional information.
Special fire fighting procedures	Wear a self-contained breathing apparatus and complete full-body personal protective equipment. Dust may form an explosive mixture in the air, possibly resulting in a secondary explosion.

Section 6: Accidental Release Measures

Environmental precautions	Contain spilled products to the extent practical and feasible.
Personal precautions and protective equipment	Keep unnecessary and unprotected personnel from entering area. Use appropriate safety and personal protective equipment as indicated in Section 8.

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Mitigation and clean up procedures	Eliminate all ignition sources (no smoking, flares, sparks, flames etc) Take precautionary measures to prevent static discharge. Use methods that avoid generating airborne dust. Use a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Do not create a dust cloud by brushing or sweeping, or using compressed air.
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Section 7: Handling and Storage

Storage

Precautions for Safe Handling	Avoid dust formation. Avoid breathing dust. Wash hands and face after handling. Provide appropriate exhaust ventilation at points of operation where dust can be generated. Use only equipment that is rated for safe handling of combustible solids. Avoid using compressed air. Dust may form explosive mixture with air. Take precautionary measures against static discharges. Metal parts of mixing and processing equipment should be earthed/grounded. Dust deposits should not be allowed to accumulate on surfaces.
Conditions for Safe Storage	Store in cool, dry place. Keep container tightly closed in a dry area and do not allow contact with water. Do not store directly in the sun or in conditions exceeding 95°F (35°C). Keep away from sources of ignition or heat. Avoid storing near water sources and other incompatible materials identified in Section 10.
Storage Temperature (Min / Max)	0°F (-17°C) / 95°F (35°C)

Section 8: Exposure Controls / Personal Protection

Ingredient Name	CAS #	Exposure Limit Information
Cellulose pulp	65996-61-4	Dust and PNOS: ACGIH 10mg/m ³ , TWA, Inhalable; 3 mg/m ³ , TWA, Respirable; OSHA PEL 15 mg/m ³ , TWA, total dust; 5 mg/m ³ , TWA, Respirable
Synthetic amorphous pyrogenic silica	112945-52-5	Amorphous silica: OSHA PEL 6 mg/m ³ Dust and PNOS: ACGIH 10mg/m ³ , TWA, Inhalable; 3 mg/m ³ , TWA, Respirable; OSHA PEL 15 mg/m ³ , TWA, total dust; 5 mg/m ³ , TWA, Respirable

OCCUPATIONAL EXPOSURE LIMITS: Exposure limits may not be established for this product as a whole. For established exposure limits of specific ingredients in this product, or other available exposure limit information, refer to the table above.

Engineering Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mist are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
Provide readily accessible eye wash stations and safety showers.

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Respiratory Protection	Where ventilation is inadequate the use of an Air Purifying Respirator with a replaceable organic vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material such as impervious PVC or rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 Occupational protection gloves – Selection use and maintenance.
Body Protection	Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

Section 9: Physical and Chemical Properties

Form	Powder, solid
Colour	White
Odour	No distinguishable odor
pH	No data available
Melting Point	No data available
Flash Point	No data available
Boiling Point	No data available
Vapour Density	No data available
Vapour Pressure	No data available
Density	1.5
% Volatile by weight	0.0
Explosive Properties	Dust may form explosive mixtures in air. Explosive properties of this mixture have not been measured. One or more of the components of this mixture have been identified as having the potential to form an explosive mixture with air when suspended as a dust cloud.
Kst VALUE:	No data available

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MAXIMUM EXPLOSION PRESSURE (Pmax)	No data available
MINIMUM IGNITION ENERGY (MIE)	No data available
MAXIMUM EXPLOSION CONCENTRATION (MEC)	No data available
DUST EXPLOSION CLASSIFICATION	No data available

Section 10: Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Avoid settling dust collection and airborne dust formation.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide

Section 11: Toxicological Information

Component Name	CAS#	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cellulose pulp	65996-61-4	No data	No data	No data
Muscovite mica	112945-52-5	> 5000 mg/kg	> 2000 mg/kg	No data

Acute oral toxicity	Not classified. Does not meet acute oral toxicity criteria.
Acute dermal Toxicity	Not classified. Does not meet acute dermal toxicity criteria.
Inhalation	Not classified. Does not meet acute inhalation toxicity criteria.
Skin	Not classified. Does not meet criteria for skin corrosion/irritation.
Eyes	Not classified. Does not meet criteria for skin eye damage/irritation. High dust concentrations may cause mechanical irritation.
Specific Target Organ Systemic Toxicity (Single Exposure)	Not classified. Does not meet STOT SE criteria.
Specific Target Organ Systemic Toxicity	Not classified. Does not meet STOT RE criteria.

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(Repeated Exposure) Carcinogenicity	Not classified. Does not meet criteria for carcinogenicity. No evidence of carcinogenicity was observed in multiple animal species following repeated oral or inhalation exposure to synthetic amorphous silica. Similarly, epidemiology studies show no evidence of carcinogenicity in workers who manufacture synthetic amorphous silica.
Reproductive Toxicity	Not classified. Does not meet criteria for reproductive toxicity.

Section 12: Ecological Information

Ecotoxicity	No specific test data available for this product. Calculated Estimate: Does not meet acute aquatic toxicity criteria.
Persistence / Degradability	No specific test data available for this product. Calculated Estimate: Does not meet acute aquatic toxicity criteria.
Movement and Partitioning	No specific test data available for this product. Calculated Estimate: Does not meet acute aquatic toxicity criteria.
Environmental Protection	Do not allow product to enter drains, waterways or sewers.

Section 13: Disposal Considerations

Disposal Considerations	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Dispose of waste according to federal, EPA and state regulations.
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Section 14: Transport Information

ADG	Not regulated.
IATA	Not regulated.
IMDG	Not regulated.

Section 15: Regulatory Information

COUNTRY	INVENTORY LIST	STATUS
United States	TSCA	All ingredients are listed or otherwise compliant.
Europe	EINECS or ELINCS	All ingredients are listed or otherwise compliant.
Canada	CEPA (DSL/NDSL)	All ingredients are listed or otherwise compliant.
Australia	AICS	All ingredients are listed or otherwise compliant.
Japan	ENCS	No data.

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South Korea	KECI	No data.
China	IECSC	No data.
Philippines	PICCS	No data.
New Zealand	NZIoC	No data.

Section 16: Other Information

Contact

Person/Point

PRODUCT INFORMATION MANAGER: (+61) 7 5563 1222
12-14 Production Av Ernest Queensland, Australia

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.