



AFS SAFETY DATA SHEET AFS Rediwall®

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	AFS Rediwall®
Other Names:	None
Product Codes/Trade Names:	None
Recommended Use:	Permanent PVC Formwork Walling System
Applicable In:	Australia
Supplier:	AFS Systems Pty Ltd - ABN 45 576 072 788
Address:	110 Airds Rd, Minto NSW 2566
Telephone:	1300 727 237
Email Address:	afssales@csr.com.au
Web Site:	afsformwork.com.au
Emergency Phone Number:	000 Fire Brigade and Police (available in Australia only)
Poisons Information Centre:	13 11 26 (available in Australia only)

This Safety Data Sheet (SDS) is issued by the Supplier in accordance with National standards and guidelines from Safe Work Australia (SWA – formerly ASCC/NOHSC). The information in it must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SDS by any other person or organization. The Supplier will issue a new SDS when there is a change in product specifications and/or Standards, Codes, Guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: In its delivered state, **AFS Rediwall®** is classified as **Non-Hazardous** according to the criteria of Safe Work Australia (SWA – formerly ASCC/NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC: 1008] 3rd Edition.

Cutting, breaking, drilling, sawing, grinding and finishing may generate dust (calcium carbonate) which is **Hazardous** (as a nuisance dust). Recommendations on Exposure Controls / Personal Protection (see Section 8 below) should be followed.

AFS Rediwall® is classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

GHS CLASSIFICATION:

Not classified as Hazardous. Because the delivered product is classified as Non-Hazardous, a Safety Data Sheet (SDS) is not required under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) or Australian Regulations. AFS has elected to issue this SDS for the information of users, installers and the community. It has been formatted according to the GHS, as adopted by Safe Work Australia.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Synonyms:	Proportion:	CAS Number:
Polyvinyl chloride resin		50-80%	9002-86-2
Calcium carbonate	Limestone	10-30%	1317-65-3
Aluminium Hydroxide		3-18%	21645-51-2
Titanium Dioxide		<3%	13463-67-7
Other non-hazardous ingredients		To 100%	---

SECTION 4: FIRST AID MEASURES

The following applies to **dust** from these products:

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. If symptoms persist, seek medical attention.
Eyes:	Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention.
Skin:	Wash off skin thoroughly with water. Use a mild soap if available.
Inhaled:	Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.
Advice to Doctor:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flammability:	Combustible
Suitable extinguishing media:	Use carbon dioxide, foam, dry chemical or water spray to extinguish, as required for fire in surrounding materials.
Specific hazards:	When heated to decomposition the product may emit hydrogen chloride, hydrogen sulphide, carbon monoxide, carbon dioxide, acrid smoke, and irritating fumes.
Special protective precautions and equipment for fire fighters:	Fire fighters should wear self-contained breathing apparatus as required by surrounding fire and fire conditions.
HAZCHEM Code:	None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No specific precautions required.
Environmental precautions:	No specific precautions required.
Methods and materials for containment and cleaning up:	Recover waste material, recycle, or dispose of in accordance with local authority guidelines. Dust and small waste should be cleaned up by bagging, wet sweeping and/or vacuuming.

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Manual handling should be in accordance with Manual Handling Regulations and Codes.
Conditions for safe storage:	There are no special storage requirements.
Incompatibilities:	None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:	<p>Workplace Exposure Standards for Airborne Contaminants, Safe Work Australia</p> <p>No exposure standard is assigned for this non-hazardous product.</p> <p>Calcium carbonate (dust): TWA - 10 mg/m³</p> <p>Total dust (of any type, or particle size): TWA - 10 mg/m³</p>
Notes on Exposure Standards:	<p>All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the Workplace Exposure Standard (WES).</p> <p>TWA (Time Weighted Average): 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 neither impair the health of, nor cause undue discomfort to, nearly all workers.</p>
Biological Limit Values:	No biological limit allocated.
ENGINEERING CONTROLS	
<input type="checkbox"/> Ventilation:	General room ventilation should be adequate under normal conditions of use. Work practices should minimise the release of, and exposure to, dust. Work areas should be cleaned regularly by wet sweeping or vacuuming. Work in the open air and external openings (such as doors and windows in buildings) where it generally provides adequate ventilation. Local mechanical ventilation or extraction may be required in areas where dust exposures could become excessive. Local dust extraction and collection may be used, if necessary, to control airborne dust levels. If generated dust cannot be avoided, follow personal protection recommendations.
<input type="checkbox"/> Special Consideration for Repair &/or Maintenance of Contaminated Equipment:	Work areas should be cleaned regularly by damp sweeping or vacuuming. Recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
<input type="checkbox"/> Personal Hygiene	Wash hands before eating, drinking, using the toilet, or smoking. Wash work clothes regularly.
<input type="checkbox"/> Skin Protection:	Wear standard duty leather gloves (AS 2161), coverall clothing, and boots as required for general site work.
<input type="checkbox"/> Eye Protection:	Eye protection should be worn as required for general site work. Ventilated non-fogging goggles (dust resistant AS/NZS 1336) should be worn when working in a dusty environment.

<input type="checkbox"/> Respiratory Protection:	<p>Not required under normal circumstances. If engineering controls and work practices are not effective in controlling dust, then personal protective equipment may be required. The type of respiratory protection required depends primarily on the concentration of dust in the air, and the frequency and length of exposure time. Amount of exertion required during the work, and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator chosen and used in accordance with AS/NZS 1715 and AS/NZS 1716 may be sufficient for many situations, but where high levels of dust are encountered, more efficient cartridge-type or powered respirators may be necessary. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.</p>
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Extruded white PVC profiles
Odour:	None
pH:	Not applicable
Melting point:	Not determined
Initial boiling point and range:	Not determined
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Combustible
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Specific gravity (Relative density):	Not determined
Solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not determined
% Volatiles:	0%
Volatile Organic Compounds (VOC) Content: (as specified by the Green Building Council of Australia)	0%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Hazardous Reactions:	None
Conditions to avoid:	Dust generation

Incompatible Materials:	None
Hazardous Decomposition Products:	Hydrogen chloride, hydrogen sulphide, carbon monoxide, carbon dioxide, and irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal industrial use, but swallowing may result in nausea or abdominal discomfort.
Eyes:	Dust is irritating to the eyes causing watering and redness. Exposure to dust may aggravate pre-existing eye conditions.
Skin:	The dust from this product, particularly in association with heat and sweat, may cause mild irritation and drying to the skin due to its physical characteristics.
Inhaled:	Dust can cause irritation of the nose, throat and lungs resulting in excess mucus and coughing.

Health Effects: Chronic (long term)

Eyes:	Dust may cause irritation and inflammation of the eyes and aggravate pre-existing eye conditions.
Skin:	Repeated heavy contact with the dust may cause drying of the skin and can result in skin rash (dermatitis) typically affecting the hands. Over time this may become chronic and can also become infected.
Inhaled:	Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inhaling dust liberated from product may aggravate pre-existing respiratory conditions.

Toxicity Data

Not available on this product, but anticipated to be very low with LD50 >5000 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	Low ecotoxicity
Persistence and Degradability:	Material is persistent and is not bio-degradable.
Bio accumulative potential:	There is no evidence to suggest bioaccumulation will occur.
Mobility in soil:	Material is insoluble and a low mobility would be expected in a landfill situation.

SECTION 13: DISPOSAL CONSIDERATIONS

Recover waste material, recycle, or dispose of in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed (see Section 8).

SECTION 14: TRANSPORT INFORMATION

UN number:	None allocated
UN Proper Shipping Name:	None allocated
Class and Subsidiary Risk:	None allocated
Packaging Group:	None allocated
Marine Pollutant:	No
Special Precautions for User:	None
HAZCHEM code:	None allocated

SECTION 15: REGULATORY INFORMATION

Poisons Schedule:	Not scheduled
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SECTION 16: OTHER INFORMATION

For further information on this product, please contact: **AFS Systems Pty Ltd** (ABN 45 576 072 788)
110 Airids Rd, Minto NSW 2566. Telephone: 1300 727 237 (available in Australia only)

ADDITIONAL INFORMATION**Australian Standards 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 gloves)

Other References:

NOHSC:1008 (2004)	Approved Criteria for Classifying Hazardous Substances
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals, December 2011, Safe Work Australia.
Model Code of Practice	Labelling of Workplace Hazardous Chemicals, December 2011, Safe Work Australia.
Model Code of Practice	Managing Risks Of Hazardous Chemicals In The Workplace, July 2012, Safe Work Australia.
WHS	Guidance on the Classification of Hazardous Chemicals under the WHS Regulations, April 2012, Safe Work Australia.
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7 th edition, National Transport Commission.
WES	Workplace Exposure Standards For Airborne Contaminants, April 2013, Safe Work Australia.
WES	Guidance On The Interpretation Of Workplace Exposure Standards For Airborne Contaminants, April 2013, Safe Work Australia.

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GHS	Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 3 rd revised edition, United Nations, New York and Geneva, 2009.
GHS	Understanding the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), United Nations, New York and Geneva, 2010.
HCIS	Hazardous Chemical Information System (HSIS), internet advisory service, Safe Work Australia.
HCIL	GHS Hazardous Chemical Information List (HCIL), internet advisory service, Safe Work Australia.

AUTHORISATION

Reason for Issue:	New product
Authorised by:	Karen Hayes, AFS National WHSE Manager
Date of Issue:	31/05/2018

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END OF SDS