Safety Data Sheet

Hazardous Substance, Non Dangerous Goods

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **AAC Thin Bed Adhesive**

Product Code(s): **24900**

Product Description: Polymer modified cement based adhesive for AAC panels and blocks

Supplier: **Bizfine Pty Ltd trading as Acryloc Building Products**

ABN: **52 051 067 237**

Street Address: 174 Cavan Road, Dry Creek,
South Australia, 5094, Australia

Telephone Number: +61 8 8368 0222

Facsimile: +61 8 8368 0223

Emergency Telephone: **1300 661 745 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

This product is classified as hazardous according to Safe Work Australia criteria.

Not classified as a dangerous good by the criteria of the ADG code, IMDG or IATA.

GHS Classifications

Skin Corrosion/Irritation:	Category 2
Skin Sensitization:	Category 1B
Serious Eye Damage / Eye Irritation:	Category 1
Specific Target Organ Systemic Toxicity (Repeated Exposure):	Category 2

SIGNAL WORD **DANGER**

Pictograms

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H373	May cause damage to lungs and respiratory tract through prolonged or repeated exposure.

Prevention statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response statements

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Disposal statements

P501	Dispose of contents/container in accordance with relevant regulations.

UN No	None Allocated	**Hazchem Code**	None Allocated	**Pkg Group**	None Allocated
DG Class	None Allocated	**Subsidiary Risk(s)**	None Allocated	**EPG**	None Allocated

3. COMPOSITION INFORMATION

A small proportion of the fine dust associated with this product will contain 'Respirable Crystalline Quartz' (RCQ). While the product is wet and being applied as per the directions on the package the amount of airborne RCQ will be minimal but it is still recommended that proper PPE is worn. Once dry any residues, grinding or strong abrasive forces may reintroduce RCQ into the air so caution should be taken.

Ingredient	Formula	Conc.	CAS No.
PORTLAND CEMENT	Not Available	20 - 25%	65997-15-1
HYDRATED LIME	$Ca(OH)_2$	3 - 4%	1305-62-0
FLY ASH	Not Available	3 - 4%	68131-74-8
GYPSUM	$CaSO_4\ 2H_2O$	1 - 3%	10101-41-4
CRYSTALLINE SILICA (QUARTZ)	SiO_2	70 - 80%	14808-60-7
CHROMIUM (VI) HEXAVALENT	Cr^{6+}	Trace	18540-29-9
HYDROPHILIC CLAY	Not Available	< 1%	1302-78-9
ADDITIVES	Not Available	< 2%	N/A

4. FIRST AID MEASURES

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if symptoms persist.

Skin Contact: Wash thoroughly with water. A shower using soap and water may be required. If irritation occurs seek medical advice.

Eye Contact: Wash out immediately and flush with flowing water for at least 15 minutes. Seek urgent medical attention.

Ingestion: Rinse mouth and lips with water. If swallowed, give a glass of water to drink. Do not induce vomiting occurs give further water. Seek medical advice if symptoms persist.

Notes to Doctor: Treat symptomatically.

First Aid Facilities: Eye wash station.

Additional Information - Aggravated Medical Conditions

Inhalation: Over exposure resulting from prolonged and repeated inhalation of dust containing crystalline silica can cause bronchitis, silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer. Epidemiological studies have shown that smoking increases the risk of bronchitis, silicosis (scaring of the lung) and lung cancer in persons exposed to crystalline silica.

Skin: Prolonged and repeated skin contact with cement in wet concrete, mortars and slurries may result in irritant dermatitis or alkaline burns.

Eye: Irritating to the eye. If wet cement is splashed into the eye alkaline burns can cause permanent damage.

5. FIRE FIGHTING MEASURES

Flammability: Non flammable. Does not support combustion of other materials.
Fire and Explosion: No fire or explosion hazard exists.
Extinguishing: Non flammable; use suitable extinguishing agent for surrounding fire.
Hazchem Code: None.

6. ACCIDENTAL RELEASE MEASURES

Spillage: If spilt (bulk), contact emergency services if appropriate. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.

Emergency: Follow safety requirements for personal protection under Section 8 Exposure

Procedures: Controls/Personal Protection

7. HANDLING AND STORAGE

Storage: Store off the floor in the original bags in a cool, dry, well ventilated area, removed from excessive moisture and heat. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Handling: Renders are supplied in 15-20kg bags. Recognised local safe lifting methods should be used.

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Property/ Environmental: Refer to Section 13.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Do not inhale dust/powder. Use with adequate ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

Exposure Standards:

CALCIUM HYDROXIDE (1305-62-0)
ES-TWA: 5 mg/m3 (Respirable Dust)
CHROMIUM (VI) HEXAVALENT (18540-29-9)
ES-TWA: 0.05 mg/m3 (Chromium VI compounds)
FLYASH (68131-74-8)
ES-TWA: 10 mg/m3 (Respirable Dust)
GYPSUM (10101-41-4)
ES-TWA: 10 mg/m3 (Respirable Dust)
PORTLAND CEMENT (65997-15-1)
ES-TWA: 10 mg/m3 (Respirable Dust) SILICA,
CRYSTALLINE – QUARTZ (14808-60-7)
ES-TWA: 0.1 mg/m3 (Respirable Dust)

PPE: Wear dust-proof goggles and rubber or PVC gloves. Where an inhalation risk exists, wear a Class P2 respirator. If there is potential for prolonged and/or excessive skin contact, wear coveralls. At high dust levels, wear a Class P3 respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	An off white cementitious mixture containing fine aggregate	**Solubility (water)**	Slight, hardens on mixing with water
Odour	Odourless	**Specific Gravity**	Average Approx 2.3
pH	Approximately 12	**% Volatiles**	Not Available
Vapour Pressure	Not Available	**Flammability**	Non Flammable
Vapour Density	Not Available	**Flash Point**	Not Relevant
Boiling Point	Not Available	**Upper Explosion Limit**	Not Relevant
Melting Point	Not Available	**Lower Explosion Limit**	Not Relevant
Evaporation Rate	Not Available	**Autoignition Temperature**	Not Available
Bulk Density	Dry 1500 to 1700 kg/m^3 Compacted (cast) 2250 – 2400 kg/m^3		
Particle Size	Up to nominal 10 mm		

10. STABILITY AND REACTIVITY

Chemical Stability Chemically Stable

Conditions to Avoid Keep free of moisture

Incompatible Materials Incompatible with oxidising agents (eg hypochlorites), ethanol, acids (eg hydrofluoric acid) and interhalogens (eg chlorine trifluoride). Water contact may increase product

Decomposition Products Unlikely to evolve toxic gases when heated to decomposition.

Hazardous Reactions None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No known toxicity data available for this product. Based on available data, the classification criteria is not met.

Eye: Irritant upon contact with dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage.

Inhalation: Irritating to the respiratory system, causing coughing and sneezing. Over exposure may result in severe mucous membrane irritation and bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation, however due to the trace amount present, a hazard is not anticipated under normal conditions of use. Crystalline silica can cause silicosis (lung disease) with chronic over exposure, however due to low levels present and product application, adverse health effects are not anticipated.

Skin: Irritating to the skin. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis and sensitisation.

Ingestion: Slightly corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Due to product form, ingestion is not considered a likely exposure route.

Mutagenicity: Insufficient data available for this product to classify as a mutagen.

Carcinogenicity: Renders are not classified as a carcinogen by NOHSC. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1), however due to low levels present and product application, the criteria for classification is not met.

12. ECOLOGICAL INFORMATION

Toxicity: Product forms an alkaline slurry when mixed with water. This product is non toxic to aquatic life forms when present in cured solid form.

Persistence & Degradability: Product is persistent and would have a low degradability.

Mobility in soil: A low mobility would be expected in a landfill situation.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer for additional information.

Legislation: Dispose of in accordance with relevant local legislation. Keep out of sewer and stormwater drains.

14. TRANSPORT INFORMATION

Road and Rail Transport
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

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.

Drivers of trucks transporting bagged product should ensure that the bags are properly restrained.

15. REGULATORY INFORMATION

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS: All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

CEMENT CONTACT DERMATITIS: Individuals using wet cement, mortar, grout or concrete could be at risk of developing cement dermatitis. Symptoms of exposure include itchy, tender, swollen, hot, cracked or blistering skin with the potential for sensitisation. The dermatitis is due to the presence of soluble hexavalent chromium.

IARC – GROUP 1 – PROVEN HUMAN CARCINOGEN. This product contains an ingredient for which there is sufficient evidence to have been classified by the International Agency for Research into Cancer as a human carcinogen. The use of products known to be human carcinogens should be strictly monitored and controlled.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The Recommendation for protective equipment contained within this SDS 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.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare an SDS report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Safety Data Sheet

ABBREVIATIONS:

SDS – Safety Data Sheets

mg/m3 – Milligrams per cubic metre ppm – Parts Per Million

ES-TWA – Exposure Standard - Time Weighted Average CNS – Central Nervous System

NOS – Not Otherwise Specified

pH – relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service Number – used to uniquely identify chemical compounds.

IARC – International Agency for Research on Cancer.

This material safety data sheet has been prepared by Acryloc Building Products Technical Department

Safety Data Sheets are updated regularly, make sure you are using the current version.

Reason(s) for Issue: Review of Content & Layout

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Acryloc Building Products cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Acryloc Building Products using the contact details on page 1.

Acryloc Building Products responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.