



## Consolidated Alloys

A Division of C.A. Group Australasia Pty. Ltd.  
ABN 83 005 084 097 ACN 005 084 097

Head Office : 32 Industrial Avenue Thomastown, Victoria 3074  
AUSTRALIA  
Mail : PO Box 199, Reservoir, Victoria 3073  
AUSTRALIA  
Telephone : (03) 9359 5811  
Facsimile : (03) 9359 4076  
E-mail : info@cagroup.com.au

Reference No. : U501  
Product Name : Fibreglass Building Blanket

# MATERIAL SAFETY DATA SHEET

## Section 1 : IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **FIBREGLASS BUILDING BLANKET**  
Other Names: **Consolidated Alloys Building Blanket**  
Recommended Use: Thermal and acoustic insulation for homes, schools, commercial buildings, industrial plants, vehicles, white goods, fire protection.

### Supplier's / Manufacturer's

Name: Consolidated Alloys  
Address: 32 Industrial Avenue, Thomastown, Victoria 3074, AUSTRALIA  
Telephone No.: (03) 9359 5811  
Emergency No.: (03) 9359 5811 – Business Hours only  
0439 062 480 – After Hours (24Hrs)  
Poisons Information Centre  
Victoria  
Telephone No.: 131126

## Section 2 : HAZARD IDENTIFICATION

Hazard Classification according to criteria of Worksafe Australia.

Risk Phrase(s) R36/38 Irritating to eyes and skin.

Safety Phrase(s) S37/39 Wear suitable gloves and eye/face protection.



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### Section 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	Proportion	CAS Number
Fibrous Glass	78 – 95%	65997-17-3
Urea – Phenol Formaldehyde Resin Coating	5 – 12%	25104-55-6
	0 – 10%	Not Listed

### Section 4 : FIRST AID MEASURES

Description of necessary measures according to route of exposure.

Ingestion:	Due to product form and application, ingestion is considered unlikely. Contact the Poisons Information Centre on 13 11 26 or a doctor.
Eye:	Hold eye(s) open and flush the eye(s) with running water for at least 15 minutes and seek medical attention to ensure complete removal.
Skin:	If skin contact occurs remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use.
Inhalation:	Remove person from exposure to fibres to fresh air. If irritation persists seek medical attention.
Medical Attention and Special Treatment:	Treat specific symptoms.

#### Additional information

Aggravated Medical Conditions Caused by Exposure:	RESPIRABLE FIBRES: If fibres have a diameter of less than 3 microns, length greater than 5 microns, and a length to width ratio greater than 3:1, these are classified as 'respirable fibres'. When inhaled, respirable fibres are able to reach the lower region of the lungs, where, depending on the chemical nature of the fibre(s), chronic health effects may develop.
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## Section 5 : FIRE FIGHTING MEASURES

Extinguishing Media: Non-flammable

Hazards from Combustion Products: Not flammable, however when 'faced' insulation is heated fumes may be emitted.

Special Protective Equipment: Fire fighters should wear self contained breathing apparatus (SCBA) and full protective clothing along with protective equipment.

Additional information If product is present in a fire, toxic gases may be evolved. Evacuate area and alert the Fire Brigade. Remain upwind and notify those downwind of hazard. Use water fog to cool intact containers and nearby storage areas.

HAZCHEM CODE: None Allocated

## Section 6 : ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Personnel involved in the clean up should wear full protective clothing such as dust-proof goggles, PVC/rubber gloves, a Class P2 (Particulate) respirator and coveralls.

### Methods and Materials for Containment and Clean Up Procedures

Spillage: If product is damaged, seal and minimise fibre release. Clean area using approved micro-filter equipped vacuum cleaner or wet sweep. Re-use where possible or place in a sealable plastic bag for safe disposal to an approved landfill.

*For Personal Protective Equipment (PPE) - refer to Section 8 of this MSDS (if required)*



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### Section 7 : HANDLING AND STORAGE

**Precautions for Safe Handling:** This fibreglass wool insulation may cause skin, eye and respiratory irritation. Use safe work practices to avoid eye or skin contact and inhalation. Prohibit eating, drinking and smoking in contaminated areas. Wash hands with soap and water before eating. Launder work clothes before re-use.

**Conditions for Safe Storage:** Store in sealed container in a cool, dry area, away from foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

### Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards – as regulated by: Worksafe Australia

Chemical Name	ES – TWA	ES - STEL
Fibres	0.5 mg/millilitre of air	
Phenol Formaldehyde Resin	1 ppm (Formaldehyde)	2 ppm (Formaldehyde)

**Biological Limit Values** No data available.

**Engineering Controls:** Avoid spread of fibreglass dust. Provide general and/or local exhaust ventilation to control airborne dust levels below exposure limits.

#### *Personal Protective Equipment (PPE)*

**Eye / Face Protection:** Wear goggles, safety glasses or full face mask.

**Skin Protection:** Avoid contact with shin/eyes. Wear PVC or Rubber gloves, coveralls and safety boots.

**Respiratory Protection:** Use a NIOSH/MSHA approved dust respirator such as a 3M model #8710 or #9900 or equivalent.



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## Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Matt fibrous layer bound together, can have facing of aluminium, vinyl etc.
Colour:	Yellow
Odour:	None
Vapour Pressure:	N/A
Vapour Density:	N/A
Boiling Point:	N/A
Melting Point:	> 700oC (Glass)
Solubility in Water:	Insoluble
Specific Gravity:	N/A
Flash Point:	N/A
pH:	N/A

### *For Flammable Limits (as a percentage volume in air)*

Lower Explosion Limit :	Not Relevant
Upper Explosion Limit :	Not Relevant
Ignition Temperature:	Not Available
Specific Heat Value :	N/A
Particle Size:	N/A
Volatile Organic Compounds (VOC) Content	N/A
Evaporation Rate :	Non Volatile
Viscosity :	N/A
Percent Volatile :	N/A
Octanol/Water partition coefficient :	N/A
Saturated Vapour Concentration :	N/A
Additional Characteristics	N/A
Flame Propagation/Burning Rate of Solid Materials :	N/A
Properties of material that may initiate or contribute to fire intensity :	N/A
Potential for Dust Explosion :	N/A
Reactions that Release Flammable Gasses :	N/A
Fast or Intensely Burning Characteristics :	N/A
Non-Flammables that could contribute unusual hazards to a fire :	N/A
Release of invisible flammable vapour and gasses :	Nil
Decomposition Temperature :	N/A

### Additional Information

Molecular Weight :	N/A
Solubility :	Insoluble in Water.



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## Section 10 : STABILITY AND REACTIVITY

Chemical Stability:	Material stable. Do not remove from packaging until installation.
Conditions to Avoid:	Avoid heat and moisture.
Incompatible Materials:	No reported incompatibilities, however resin binders may be attacked by acidic, alkaline or solvent based substances.
Hazardous Decomposition Products:	Resin binders and facings may decompose, smoulder or burn in fire a situation or if heated over 300oC.
Hazardous Reactions:	None

## Section 11 : TOXICOLOGICAL INFORMATION

Toxicity Data:	Phenol Formaldehyde LC50 (Inhalation) : 74 mg/m3 (mammal, phenol) LC50 (Skin) : 669 mg/kg (rat) LC50 (Ingestion) : 42 mg/kg (rat, formaldehyde)
Ingestion:	Unlikely to occur due to product form, but would be expected to cause stomach irritation if ingested.
Eye:	Irritant. Exposure to fibres may result in irritation, lacrimation, pain and redness.
Skin:	Irritant. Prolonged contact may result in itching, pain, redness and skin rash. Potential sensitising agent.
Inhalation:	Irritant. Exposure to fibres may result in mucous membrane irritation of the respiratory tract. Fibreglass is classified as possibly carcinogenic to humans.



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## Section 12 : ECOLOGICAL INFORMATION

Ecotoxicity: Ensure appropriate measures are taken to prevent this product from entering the environment.  
Persistence / Degradability: No Data available.  
Mobility: No Data available.  
Environmental Fate: No Data available.  
Bioaccumulative Potential : No Data available.

## Section 13 : DISPOSAL CONSIDERATIONS

Disposal Methods: Place in sealed, appropriately labelled plastic bags and dispose of to approved landfill. Suitable label: CAUTION: SYNTHETIC MINERAL FIBRE WASTE. Clean area with micro equipped vacuum or wet sweep.  
Special Precautions for Landfill or Incineration: Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility.

*The Disposal Considerations mentioned above applies to the material / product described in this MSDS as manufactured. Further processing, use, or contamination of the product may make the information inappropriate, inaccurate or incomplete.*

## Section 14 : TRANSPORT INFORMATION

UN Number: None Allocated  
UN Shipping Name: N/A  
Dangerous Goods Class: None Allocated  
Packing Group: None Allocated  
Special Precautions / Requirement: N/A  
HAZCHEM Code: None Allocated

Additional Information –  
Material for Export: N/A



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### Section 15 : REGULATORY INFORMATION

Poison Schedule Number: None Allocated  
EPG : N/A  
AICS Name : N/A  
NZ Toxic Substance N/A

### Section 16 : OTHER INFORMATION

Last Revision: 10/04/2008

#### Additional Information

Further detailed information on the health aspects of glasswool insulation and the necessary work procedures for using this material can be found in the National Standard and National Code of Practice for Safe Use of Synthetic Mineral Fibres (National Occupational Health and Safety Commission, May 1990) and the Worksafe Australia Publication Technical Report on Synthetic Mineral Fibres and a Guidance Note on the Membrane Filter Method for the Estimation of Airborne Synthetic Mineral Fibres, June 1989. The Worksafe Australia – Synthetic Mineral Fibre – National Code of Practice: This code details minimum requirements for the safe handling of mineral fibres. Issues such as training, air monitoring, application procedures to reduce fibre release and personal protective equipment are detailed within

PHENOL-FORMALDEHYDE RESINS: This product contains a phenol-formaldehyde urea thermostat resin. Traces of free formaldehyde may cause respiratory sensitisation with asthma-like symptoms upon exposure to vapours. Phenol is an experimental carcinogen. Formaldehyde is classified as a confirmed human carcinogen (IARC Group 1). However, an inhalation hazard is not anticipated under normal conditions of use as the resin produces very low levels of vapour once cured.

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----- End of MSDS -----