

# Chem Alert Report

Manufacturer's Material Safety Data Sheet

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** INSULATED PANELS

**Uses** , .

**Supplier Name** CSR BUILDING PRODUCTS LIMITED  
**Address** 9 Help Street, Chatswood NSW, 2067, Australia  
**Telephone** +61 2 9235 8000; 1800 807 668 (Australia only)  
**Fax** +61 2 93725819  
**Emergency** 1800 807 668

## 2. HAZARDS IDENTIFICATION

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**  
**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
FIBROUS GLASS		<95%	65997-17-3
PHENOL FORMALDEHYDE RESIN		<5%	25104-55-6
PARAFFIN OIL		<2%	8012-95-1
STEEL		Not Available	Not Available

## 4. FIRST AID MEASURES

- Eye** Flush gently with running water. Seek medical attention if irritation develops.
- Inhalation** If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. Due to product form and application, ingestion is considered unlikely.
- Advice To Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

- Flammability** Non flammable. No fire or explosion hazard exists. Resin binders and facings may decompose, smolder or burn in fire situation or if heated over 300 C.
- Fire and Explosion** Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
- Extinguishing** Non flammable.
- Hazchem Code** None Allocated

**Colour  
Rating  
GREEN**

## 6. ACCIDENTAL RELEASE MEASURES

**Spillage** If product is damaged, seal and minimise fibre release. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 (Particulate) respirator and coveralls. Clean area using approved micro-filter equipped vacuum cleaner or wet sweep. Reuse where possible or place in a sealable plastic bag for safe disposal to an approved landfill.

## 7. HANDLING AND STORAGE

**Handling** Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene. Prohibit eating, drinking and smoking in contaminated areas. Wash hands before eating. Remove contaminated clothing and protective equipment before entering eating areas.

**Storage** Store in sealed container in cool, dry area, removed from foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

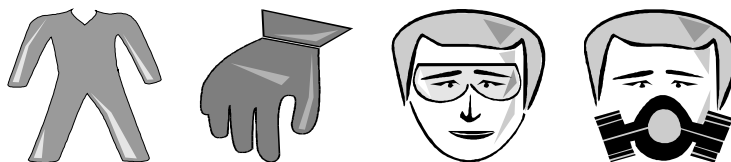
**Ventilation** Use with adequate natural or mechanical ventilation during installation. If cutting, local extraction ventilation is recommended. Clean area with micro equipped vacuum cleaner or by wet sweeping.

**Exposure Standards** PHENOL FORMALDEHYDE RESIN (25104-55-6)  
ES-TWA : 1 ppm (Formaldehyde)  
ES-STEL : 2 ppm (Formaldehyde)

PARAFFIN OIL (8012-95-1)  
ES-TWA : 5 mg/m3 (mineral oil mist)  
ES-STEL : 10 mg/m3  
WES : 5 mg/m3

STEEL (Not Available)  
ES-TWA : 5 mg/m3 as Iron Oxide Fume

**PPE** Wear PVC or rubber gloves, dust-proof goggles, coveralls and a Class P1 (Particulate) Respirator. At high fibre levels, wear a Full-face Class P3 (Particulate) respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** STONEWOOL BETWEEN STEEL SHEETS  
**Odour:** ODOURLESS  
**pH:** NOT AVAILABLE  
**Vapour Pressure:** NOT AVAILABLE  
**Vapour Density:** NOT AVAILABLE  
**Boiling Point:** NOT AVAILABLE  
**Melting Point:** NOT AVAILABLE  
**Evaporation Rate:** NOT AVAILABLE  
**Solubility (water):** NOT AVAILABLE  
**Specific Gravity:** NOT AVAILABLE  
**% Volatiles:** NOT AVAILABLE  
**Flammability:** NON FLAMMABLE  
**Flash Point:** NOT RELEVANT  
**Upper Explosion Limit:** NOT RELEVANT  
**Lower Explosion Limit:** NOT RELEVANT  
**Autoignition Temperature:** NOT AVAILABLE

Colour  
Rating  
**GREEN**

## 10. STABILITY AND REACTIVITY

**Reactivity** No reported incompatibilities, however resin binders may be attacked by acidic, alkaline or solvent based substances.

**Decomposition Products** Resin binders and facings may decompose, smolder or burn in fire situation or if heated over 300 C.

## 11. TOXICOLOGICAL INFORMATION

**Health Hazard Summary** Low toxicity - irritant. Use safe work practices (ie. cut with hand tools, vacuum residues regularly, do not tear material) to avoid unnecessary exposure. This fibre glass is described by the manufacturer as bio-soluble (ie. dissolves in bodily fluids and is quickly removed from the lungs). Refer to the NOHSC National Code of Practice for Synthetic Mineral Fibres for further information.

**Eye** Irritant. Exposure to fibres may result in irritation, lacrimation, pain and redness.

**Inhalation** Irritant. Exposure to fibres may result in mucous membrane irritation of the respiratory tract. The fibre glass contained in this product is bio-soluble, therefore adverse health effects are greatly reduced.

**Skin** Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

**Ingestion** Not applicable. Due to product form, ingestion is considered highly unlikely.

**Toxicity Data** PHENOL FORMALDEHYDE RESIN (25104-55-6)  
LC50 (Inhalation) : 74 mg/m<sup>3</sup> (mammal, phenol)  
LD50 (Skin) : 669 mg/kg (rat)  
LD50 (Ingestion) : 42 mg/kg (rat, formaldehyde)

PARAFFIN OIL (8012-95-1)  
LD50 (Ingestion) : 22 g/kg (mouse)

STEEL (Not Available)  
LD50 (Ingestion) : 30000 mg/kg (rat)

## 12. ECOLOGICAL INFORMATION

**Environment** Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** 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.

**Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

**Transport** Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail.

**UN Number** None Allocated  
**DG Class** None Allocated  
**Subsidiary Risk(s)** None Allocated

Colour  
Rating  
**GREEN**

## 14. TRANSPORT INFORMATION cont.

**Packing Group**

None Allocated

**Hazchem Code**

None Allocated

## 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).

## 16. OTHER INFORMATION

**Additional Information**

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. RMT recommend this publication be referred to when developing site specific procedures.

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.

SYNTHETIC MINERAL FIBRES - SMF (also known as Man Made Mineral Fibres) refers to synthetic fibrous inorganic substances made primarily from rock, clay, slag or glass. These fibres may be divided into three general groups;

- (i) GLASSFIBRES or FIBREGLASS (comprising glasswool and glass filament);
- (ii) ROCKWOOL/ SLAGWOOL; and
- (iii) CERAMIC FIBRES.

If any of the fibres are classified as "respirable", they can be inhaled into the deepest part of the lungs.

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.

**ABBREVIATIONS:**

mg/m<sup>3</sup> - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

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.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Chem Alert 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. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

**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 a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the

**Colour  
Rating  
GREEN**

## 16. OTHER INFORMATION cont.

purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

**Report Reviewed** Awaiting manufacturer update

**Date Printed** 13th January 2005

**Report Status** Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

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