



SAFETY DATA SHEET

Product Name REFLECTIVE BUBBLE INSULATION

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name **SANCELL PTY LTD**
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Synonym(s) PROTECTA THERM 104 • PROTECTA THERM 310 • RHINO CELL • RHINO CELL 104 • SANCELL INSULATION
Use(s) INSULATION
SDS date 14 February 2013

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

None allocated

SAFETY PHRASES

None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | | | |
|---------------|----------------|--------------------|----------------|
| UN number | None Allocated | DG class | None Allocated |
| Packing group | None Allocated | Subsidiary risk(s) | None Allocated |
| Hazchem code | None Allocated | | |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient | Identification | Classification | Content |
|----------------|---------------------------------|----------------|---------|
| POLYETHYLENE | CAS: 9002-88-4 EC: 618-339-3 | Not Available | 90% |
| ALUMINIUM FOIL | Not Available | Not Available | 10% |

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

Advice to doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

| | |
|--------------------|---|
| Flammability | Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. |
| Fire and explosion | Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. 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 | Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways. |
| Hazchem code | None Allocated |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| Personal precautions | Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS. |
| Environmental precautions | Prevent product from entering drains and waterways. |
| Methods of cleaning up | If spilt, collect and reuse where possible. |
| References | See Sections 8 and 13 for exposure controls and disposal. |

7. STORAGE AND HANDLING

| | |
|----------|---|
| Storage | Store in a cool, dry, well ventilated area, removed from foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. |
| Handling | 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. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|----------------------|---|
| Exposure standards | No exposure standard(s) allocated. |
| Biological limits | No biological limit allocated. |
| Engineering controls | Avoid inhalation. Use in well ventilated areas. |
| PPE | |
| Eye / Face | Not required under normal conditions of use. |
| Hands | Not required under normal conditions of use. |
| Body | Not required under normal conditions of use. |
| Respiratory | Not required under normal conditions of use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|---|
| Appearance | AIR BUBBLE INSULATOR WITH ALUMINUM FOIL ON BOTH SIDES AND ANTIGLARE COATING ON ONE SIDE |
| Odour | ODOURLESS |
| Flammability | COMBUSTIBLE |
| Flash point | NOT AVAILABLE |
| Boiling point | NOT AVAILABLE |
| Melting point | NOT AVAILABLE |
| Evaporation rate | NOT AVAILABLE |
| pH | NOT AVAILABLE |
| Vapour density | NOT AVAILABLE |
| Specific gravity | NOT AVAILABLE |
| Solubility (water) | INSOLUBLE |
| Vapour pressure | NOT AVAILABLE |
| Upper explosion limit | NOT AVAILABLE |
| Lower explosion limit | NOT AVAILABLE |
| Autoignition temperature | NOT AVAILABLE |
| Decomposition temperature | NOT AVAILABLE |
| Viscosity | NOT AVAILABLE |

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Partition coefficient NOT AVAILABLE
% Volatiles NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical stability Stable under recommended conditions of storage.
Conditions to avoid Avoid heat, sparks, open flames and other ignition sources.
Material to avoid Compatible with most commonly used materials.
Hazardous Decomposition Products May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Hazardous Reactions Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low toxicity. Due to the product form, adverse health effects are not anticipated with normal use.
Eye Exposure considered unlikely. Due to product form and nature of use, the potential for exposure is reduced.
Inhalation Exposure considered unlikely. Due to product form and nature of use, an inhalation hazard is not anticipated with normal use.
Skin Low irritant. Prolonged or repeated contact may result in mild irritation.
Ingestion Ingestion is considered unlikely due to product form.
Toxicity data POLYETHYLENE (9002-88-4)
LDLo (ingestion) 3000 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Toxicity No information provided.
Persistence and degradability No information provided.
Bioaccumulative potential No information provided.
Mobility in soil No information provided.
Other adverse effects No information provided.

13. DISPOSAL CONSIDERATIONS

Waste disposal Dispose of to an approved landfill site. Contact the manufacturer for additional information.
Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|-----------------------------|---------------------------------|---------------------------------------|--|
| UN number | None Allocated | None Allocated | None Allocated |
| Proper shipping name | None Allocated | None Allocated | None Allocated |
| DG class/ Division | None Allocated | None Allocated | None Allocated |
| Subsidiary risk(s) | None Allocated | None Allocated | None Allocated |
| Packing group | None Allocated | None Allocated | 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 Medicines and Poisons (SUSMP) |
| Inventory Listing(s) | AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. |

16. OTHER INFORMATION

Additional information WORKPLACE CONTROLS AND PRACTICES: Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this 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 a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

| | |
|-------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| CNS | Central Nervous System |
| EC No. | EC No - European Community Number |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| LD50 | Lethal Dose, 50% / Median Lethal Dose |
| mg/m ³ | Milligrams per Cubic Metre |
| PEL | Permissible Exposure Limit |
| pH | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm | Parts Per Million |
| REACH | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals |
| STOT-RE | Specific target organ toxicity (repeated exposure) |
| STOT-SE | Specific target organ toxicity (single exposure) |
| SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons |
| TLV | Threshold Limit Value |
| TWA/OEL | Time Weighted Average or Occupational Exposure Limit |

Revision history

| Revision | Description |
|----------|----------------------|
| 1.0 | Initial SDS Creation |

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Report status This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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End of SDS