1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier
Product name: GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS
Synonym(s): BOND STRAND • BS 100 • BS LD • BS RPMP

1.2 Uses and uses advised against
Use(s): EPOXY RESIN SYSTEM

1.3 Details of the supplier of the safety data sheet
Supplier name: TECNICAS REUNIDAS SA (AUSTRALIA BRANCH)
Address: Level 26, 44 St. Georges Tce, Perth, WA, Australia, 6000
Telephone: +618 6555 0400
Fax: Not supplied
Email: Not supplied
Website: Not supplied

1.4 Emergency telephone number(s)
Emergency: 13 11 26 (Poisons Information Centre)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
GHS Classification(s):
- Skin Corrosion/Irritation: Category 2
- Serious Eye Damage / Eye Irritation: Category 2A
- Specific Target Organ Systemic Toxicity (Single Exposure): Category 3

2.2 Label elements
Signal word: WARNING
Pictograms:

Hazard statement(s)
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Prevention statement(s)
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response statement(s)
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.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P321: Specific treatment is advised - see first aid instructions.
P362: Take off contaminated clothing and wash before re-use.

Storage statement(s)
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS

Store locked up.

Dispose of contents/container in accordance with relevant regulations.

No information provided.

GLASS FIBRE
Not Available
Not Available
50 - 80%

RESIN(S)
Not Available
Not Available
20 - 40%

First aid facilities
No information provided.

Treat symptomatically.

Dry agent, carbon dioxide or water fog. Prevent contamination of drains and waterways.

Combustible. May evolve carbon oxides and hydrocarbons when heated to decomposition.

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.

None allocated
6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
Contain spillage, then collect and place in suitable containers for reuse or disposal. Avoid generating dust.

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

7.3 Specific end use(s)
No information provided.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reference</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-respirable fibres, inspirable dust</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>2</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Synthetic mineral fibres (SMF)</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>0.5 f/ml</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering Controls: Avoid inhalation. Use in well ventilated areas. Maintain fibre levels below the recommended exposure standard.

PPE
- **Eye/Face**: Wear dust-proof goggles.
- **Hand**: Wear PVC or rubber gloves.
- **Body**: When using large quantities or where heavy contamination is likely, wear coveralls.
- **Respiratory**: Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Appearance**: PALE GREEN SOLID
- **Odour**: ODOURLESS
Product name: GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS

- Odour Threshold: NOT AVAILABLE
- Flammability: COMBUSTIBLE
- Flash Point: NOT AVAILABLE
- Boiling Point: NOT AVAILABLE
- Melting Point: NOT AVAILABLE
- Evaporation Rate: NOT AVAILABLE
- Specific Gravity: NOT AVAILABLE
- Solubility (water): INSOLUBLE
- Vapour Density: NOT AVAILABLE
- Vapour Pressure: NOT AVAILABLE
- Upper Explosion Limit: NOT AVAILABLE
- Lower Explosion Limit: NOT AVAILABLE
- Partition Coefficient: NOT AVAILABLE
- Autoignition Temperature: NOT AVAILABLE
- Decomposition Temperature: NOT AVAILABLE
- Viscosity: NOT AVAILABLE
- Explosive Properties: NOT AVAILABLE
- Oxidising Properties: NOT AVAILABLE

9.2 Other information
No information provided.

10. STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Hazardous polymerization is not expected to occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), heat and ignition sources.

10.6 Hazardous decomposition products
May evolve carbon oxides and hydrocarbons when heated to decomposition.
11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Health Hazard Summary
No information provided.
No information provided.
No information provided.
No information provided.
No information provided.
No LD50 data available for this product.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Results of PBT and vPvB assessment
No information provided.

12.6 Other adverse effects
No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal
Dispose of to landfill. If product is damaged or dusts are likely, place in a sealed, appropriately labelled plastic bag, then dispose to landfill.

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, IMDG OR IATA

<table>
<thead>
<tr>
<th>Land Transport (ADG)</th>
<th>Sea Transport (IMDG/IMO)</th>
<th>Air Transport (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>None Allocated</td>
<td>None Allocated</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>None Allocated</td>
<td>None Allocated</td>
</tr>
</tbody>
</table>
Product name: GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS

14.3 Transport hazard classes

DG Class: None Allocated
Subsidiary risk(s): None Allocated

14.4 Packing group

None Allocated

14.5 Environmental hazards

None Allocated

14.6 Special precautions for user

Hazchem Code: None Allocated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule

Classified as a Schedule 5 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications

Xi - Irritant

Risk phrases

R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases

S22: Do not breathe.
S24/25: Avoid contact with skin and eyes.

Inventory listing(s)

AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS, or are exempt.

15.2 Chemical safety assessment

No information provided.

16. OTHER INFORMATION

Additional information

SYNTHETIC MINERAL FIBRES (SMF), also known as Man Made Mineral Fibre: 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.

GLASSFIBRES - FIBREGLASS (comprising glasswool and glass filament): Glasswool is formed by blowing or spinning molten glass. An entangled matt of fibrous material results and may contain 'respirable' fibres (diameter < 3 microns, length > 5 microns, length to width ratio greater than 3:1). Glass filament or reinforcing filament is extruded or continuously drawn from molten glass and has a relatively large diameter, usually greater than 6 microns, and a narrow range of diameter distribution. These continuous filaments are usually non-respirable.

GLASSWOOL (FIBREGLASS): MINERAL FIBRE Worksafe exposure standards for synthetic mineral fibres are:

* TWA for respirable fibres: 0.5 fibres/mL
* TWA for non respirable (inspirable) fibres > 3 microns: 2.0 mg/m³

It should be noted that these levels should be used as a guide only and all measures taken to keep levels as low as practicable.

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...
Product name

GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS

all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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.

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
EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS Globally Harmonized System
GTEPG Group Text Emergency Procedure Guide
IARC International Agency for Research on Cancer
LC50 Lethal Concentration, 50% / Median Lethal Concentration
LD50 Lethal Dose, 50% / Median Lethal Dose
mg/m³ Milligrams per Cubic Metre
OEL Occupational Exposure Limit
pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm Parts Per Million
STEL Short-Term Exposure Limit
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
SWA Safe Work Australia
TLV Threshold Limit Value
TWA Time Weighted Average

Report Status

This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research 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. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, 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 ChemAlert report.
Product name: GLASS REINFORCED EPOXY / VINYL ESTER / POLYESTER RESIN PRODUCTS

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End of Report