

# Material Safety Data Sheet

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Infosafe No. A00CG Issue Date : July 2002 ISSUED by MARININD

Product Name : **RAPP-IT PIPE REPAIR BANDAGE**

Classified as hazardous according to criteria of NOHSC

## COMPANY DETAILS

**Company Name** MARINE & INDUSTRIAL MARKETING (ABN 32051 014 049)  
**Address** P.O. BOX 446 HAMILTON  
QUEENSLAND 4007  
**Tel/Fax** Tel: (07) 3262 3755 Fax: (07) 3262 7087

## IDENTIFICATION

**Product Name** RAPP-IT PIPE REPAIR BANDAGE  
**Proper Shipping Name** None Allocated  
**UN Number** None Allocated  
**DG Class** None Allocated  
**Packing Group** None Allocated  
**Hazchem Code** None Allocated  
**Poisons Schedule** Not Scheduled  
**Product Use** Used for emergency pipe repair to fluid control pipes.

## Physical Data

**Appearance** Knitted fibreglass with polyurethane coating immersed in monomeric diphenylmethane-di-isocyanate (MDI) resin.  
**Melting Point** Not available  
**Boiling Point** Not applicable  
**Vapour Pressure** Not applicable  
**Specific Gravity** Not available  
**Flash Point** Not available  
**Flamm. Limit LEL** Not available  
**Solubility in Water** Insoluble

## Other Properties

**pH Value** Not available  
**Stability** Stable under normal conditions of storage and handling.  
**Materials to Avoid** Strong oxidising agents, halogens.

## Ingredients

| Ingredients | Name                                     | CAS      | Proportion |
|-------------|--|----------|------------|
|             | Knitted fibreglass substrate coated with |          | 60-100 %   |
|             | Diphenylmethane-di-isocyanate (MDI)      | 101-68-8 | 0-7 %      |
|             | Polyurethane Prepolymer Resin            |          | Balance    |

**Other Information** When activated by water, the resin crosslinks to give a rigid material releasing carbon dioxide in small amounts. A small exothermic (heat releasing) reaction is evident when the recommended water temperatures are used.

## HEALTH HAZARD INFORMATION

### Health Effects

**Acute - Swallowed** May cause irritation of the gastrointestinal system. Symptoms may include pain, nausea, vomiting and diarrhoea.  
**Acute - Eye** Will cause eye irritation resulting in redness, swelling and stinging.  
**Acute - Skin** Will cause irritation in contact with the skin, which can result in redness, stinging, itching and possible dermatitis.

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**Acute - Inhaled** May cause sensitisation by inhalation. Will cause irritation to the mucous membrane and upper airways, especially if the material is heated or dust are generated. Inhalation of high concentration may lead to headache, dizziness, nausea, vomiting, loss of co-ordination.

**Chronic** Prolonged or repeated exposure may lead to sensitisation of the respiratory system and skin.

**Other Information** SENSITISATION: Some substances such as MDI can cause a specific immune response in some people. Such substances are called sensitisers and the development of a specific immune response is termed 'sensitisation'. Exposure to a sensitiser, once sensitisation has occurred, may manifest itself as a skin rash or inflammation or as an asthmatic condition, and in some individuals this reaction can be extremely severe.

## First Aid

**Swallowed** DO NOT induce vomiting. Immediately wash mouth out with water and then give water to drink. If symptom develops or persists, seek immediate medical attention.

**Eye** Wash with large amount of water for 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. If irritation persists or develops, seek immediate medical attention.

**Skin** Wash gently and thoroughly with water and non-abrasive soap. Contaminated clothing and footwear should be removed as soon as practical and thoroughly cleaned before reuse. If irritation persists or develops, seek medical attention.

**Inhaled** Remove source of contamination or victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists, seek immediate medical attention.

**First Aid Facilities** An eye wash fountain, safety shower and a general washing facility should be available adjacent to the work area.

## Advice to Doctor

**Advice to Doctor** Treat symptomatically.

## Other Health Hazard Information

## PRECAUTIONS FOR USE

**Other Exposure Info.** No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions. NOHSC Standard of the constituent is listed below:

| SUBSTANCE                  | TWA |       | STEL |       | NOTICES |
|----------------------------|-----|-------|------|-------|---------|
|                            | ppm | mg/m3 | ppm  | mg/m3 |         |
| Isocyanates, all (as -NCO) | -   | 0.02  | -    | 0.07  |         |

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

**Eng. Controls** Use only in a well ventilated area. Where vapours or dust are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

## Personal Protection

**Respirator Type (AS 1716)** Avoid breathing of vapours, mists or dust. Where ventilation is inadequate and vapours, mists or dust are generated the use of a respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Filter capacity and respirator type depends on exposure levels.

**Eye Protection** Non-fogging chemical goggles or safety glasses with side shields.

**Glove Type** Suitable impervious gloves such as PVC or Nitrile gloves.

**Clothing** Suitable impervious protective clothing.

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**Footwear** Safety boots as required.

## Flammability

**Fire Hazards** Avoid extreme heat. May emit toxic fumes under fire conditions.

## SAFE HANDLING INFORMATION

### Storage and Transport

**Storage Precautions** Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid extreme heat. Avoid contact with incompatible materials. Keep well closed when not in use.

**Transport** Not classified as Dangerous Good according to Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition).

**Handling** Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet. Build-up of vapour or mist in the working atmosphere must be prevented. Ensure ventilation is adequate. DO NOT enter confined spaces where vapour or mist may have collected. Keep containers closed when not in use.

**Proper Shipping Name** None Allocated

### Spills and Disposal

**Spills & Leaks** Increase ventilation. Evacuate all unnecessary personnel. Use self-contained breathing apparatus (S.C.B.A) and full protective clothing to minimise exposure. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container. Mop up the remaining material and place into the same container. If large quantities of this material enters the environment, contact the relevant regulatory authorities.

**Disposal** Dispose of waste according to federal, E.P.A, State and local regulations. Assure conformity with all applicable regulations.

### Fire/Explosion Hazard

**Fire/Explos. Hazard** Avoid extreme heat. May emit toxic fumes under fire conditions.

**Hazardous** Oxides of nitrogen, oxides of carbon, hydrogen cyanide.

**Decomposition or Byproducts**

**Fire Fighting Procedures** Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn.

**Extinguishing Media** Carbon dioxide, dry chemical or foam. Only use water fog to keep undamaged containers cool.

**Hazchem Code** None Allocated

### OTHER INFORMATION

**Toxicology** No toxicity data is available for this product.

**Environ. Protection** Prevent product from entering the environment.

**Risk Statement** R36/37/38 Irritating to eyes, respiratory system and skin.  
R42 May cause sensitization by inhalation.

**Safety Statement** S2 Keep out of reach of children.  
S20/21 When using, do not eat, drink or smoke.  
S22 Do not breathe dust.  
S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Hazard Category** Harmful, Irritant

### CONTACT POINT

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**Contact**            David Huybers  
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                          ...End Of MSDS...