

Material Safety Data Sheet

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Infosafe No™ LPXZ9

Issue Date : January 2009

ISSUED by MARININD

Product Name : **RAPP-IT PIPE REPAIR BANDAGE RAP304**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name RAPP-IT PIPE REPAIR BANDAGE RAP304
Company Name MARINE & INDUSTRIAL MARKETING (ABN 32051 014 049)
Address P.O. BOX 446 HAMILTON
QUEENSLAND 4007
Telephone/Fax Number Tel: (07) 3262 3755
Fax: (07) 3262 3255
Recommended Use Used for emergency pipe repair to fluid control.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitisation by inhalation and skin contact

Safety Phrase(s) S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell seek medical advice immediately

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	4,4-Methylenediph enyl diisocyanate	101-68-8	30-60 %
	Fibre glass		30-60 %
	Polyester Polyol	68604-67-1	10-30 %
	Polyester Polyol	58050-75-2	<10 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use dry chemical, carbon dioxide, water spray or foam.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanates and hydrogen cyanide.

Specific Hazards Combustible solid. This product will burn if exposed to fire.

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

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Emergency Procedures Remove sources of ignition. Wear appropriate personal protective equipment and clothing to prevent exposure. Sweep up material avoiding dust generation or where possible use dustless methods such as vacuum to collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges. Use proper grounding procedures. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Established good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC). However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values No biological limit available.

Engineering Controls Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours, mists or dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance A knitted fibreglass substrate with a polyurethane resin.

Odour A unique weak odour.

Melting Point Not available

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Boiling Point	Not available
Solubility in Water	Reacts with water.
Specific Gravity	1.12 at 25°C
pH Value	Not available
Vapour Pressure	Not applicable
Flash Point	>200°C
Flammability	Combustible solid. This product will burn if exposed to fire.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid moisture or water before use. This will cause unwanted hardening.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition is not expected to result in the release of toxic and/or irritating fumes.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. The available toxicity data for 4,4'-methylenediphenyl diisocyanate is as follows: LC50 (Rat, Inhalation): 178 mg/m3 LD50 (Rat, Oral): 9200 mg/kg
Inhalation	Harmful by inhalation. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system. May cause sensitisation by inhalation.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Irritating to skin. Skin contact will cause redness, itching and swelling. May cause sensitisation by skin contact.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Unknown

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Regulatory Information	Australia: Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not scheduled according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
Hazard Category	Harmful, Irritant

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	Date created: January 2009
Contact Person/Point	David Huybers Tel: (07) 3262 3755 ...End Of MSDS...

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