

Material Safety Data Sheet

Page: 1 of 3

Infosafe No. LPW2F Issue Date : November 2006 ISSUED by MARININD

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

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name RAPP-IT PIPE REPAIR BANDAGE
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 For repair of piping.

2. HAZARDS IDENTIFICATION

Hazard Classification This material is classified as hazardous under OSHA regulations.
Human Health Effects Irritating to skin resulting in redness and itching. This product may cause sensitization in some individuals.
Harmful by inhalation. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system. Inhalation may cause sensitization in some individuals.
Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Prolonged or repeated exposure may lead to sensitization of the respiratory system and skin.
Safety Hazards Not classified as flammable.
Environmental Hazards Not classified as dangerous to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | Name | CAS | Proportion |
|--------------------------|---|------------|-------------------|
| | Fiber glass | | 50-52 % |
| | Propylene polyol diphenyl methane diisocyanate prepolymer | 9048-57-1 | 34.1 % |
| | Diphenylmethane-di-isocyanate (MDI) | 101-68-8 | 7.3 % |
| | 2,2-Dimorpholinodiethyl ether | 6425-39-4 | 0.32-0.34 % |
| 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. | | |

4. FIRST AID MEASURES

Inhalation 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.
Ingestion Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities Eye wash and normal washroom facilities.
Advice to Doctor Treat symptomatically. May cause respiratory sensitization or asthma like symptoms.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide, dry chemical, water fog and alcohol/polymer foam.

Material Safety Data Sheet

| | | | |
|--------------|-------|----------------------------|--------------------|
| Infosafe No. | LPW2F | Issue Date : November 2006 | ISSUED by MARININD |
|--------------|-------|----------------------------|--------------------|

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

| | |
|---|---|
| Hazards from Combustion Products | Non combustibile. |
| Specific Methods | Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn. |
| Hazchem Code | None Allocated |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------|--|
| Other Information | Increase ventilation. Evacuate all unnecessary personnel. Wear full protective clothing and respiratory protection to minimize inhalation, skin and eye exposure. If possible contain the spill. Place inert absorbent material onto spillage. Collect/Mop up material and place into the same container. If the spillage enters the environment, contact the relevant regulatory authorities. |
|--------------------------|--|

7. HANDLING AND STORAGE

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use in a well ventilated area. DO NOT store or use in confined spaces. Always wear gloves when handling unwrapped product. Build up of mists or vapors in the atmosphere must be prevented. Avoid breathing in spray or mists or vapors. Exposure without protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material 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, out of direct sunlight. Avoid extreme heat and moisture. Avoid contact with incompatible materials. Keep well closed when not in use. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-----------------------------------|--|
| Other Exposure Information | No exposure standards have been established for this material by the Occupational Safety and Health Administration (OSHA). |
| Engineering Controls | Use with good general ventilation. If dusts are produced local exhaust ventilation should be used. |
| Respiratory Protection | Where sufficient ventilation is not available, avoid breathing dust/vapours by wearing an OSHA respirator standard approved, P1 or P2 particulate filter respirator. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. |
| Eye Protection | Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. |
| Hand Protection | Wear gloves of impervious material, PVC or nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. |
| Body Protection | Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|---|
| Appearance | A knitted fiberglass substrate impregnated with a polyurethane resin. |
| Odour | Not available. |
| Melting Point | Not available. |
| Boiling Point | 5 mmHg @ 392°F (200°C) |
| Solubility in Water | Insoluble. |
| Specific Gravity | Not available. |
| pH Value | 4 - 6 |
| Vapour Pressure | Not applicable. |
| Flash Point | > 350°F (177°C) (closed cup) |
| Flammability | 0 - Will not burn. |

Material Safety Data Sheet

Page: 3 of 3

| | | | |
|--------------|-------|----------------------------|--------------------|
| Infosafe No. | LPW2F | Issue Date : November 2006 | ISSUED by MARININD |
|--------------|-------|----------------------------|--------------------|

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

Flammable Limits - Lower Not available.

Flammable Limits - Upper Not available.

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of storage and handling.

Conditions to Avoid Heat, extremes of temperature and dusty conditions.

Incompatible Materials Water, strong bases, alcohols, metal compounds and surface active agents.

Hazardous Decomposition Products Decomposition may result in the release of toxic and/or irritating fumes.

Hazardous Reactions Moisture contamination may form carbon dioxide gas pressure.

Hazardous Polymerization Polymerization may occur if product is heated for a long period. Ensure water temperature is within recommended guidelines under 77°F (< 25°C).

11. TOXICOLOGICAL INFORMATION

Toxicology Information Acute toxicity:
LD50 ORAL (rat): > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Environ. Protection Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Dispose of waste according to federal, state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

DOT Not a DOT controlled material (United States).

15. REGULATORY INFORMATION

Regulatory Information This material is classified as hazardous under OSHA regulations.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS created: November 2006

Contact Person/Point David Huybers
Tel: (07) 3262 3755

Literature References ANSI Z400.1 - 2004. American National Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation. American National Standards Institute, 2004.
...End Of MSDS...