

SAFETY DATA SHEET

RAPP-IT PIPE REPAIR BANDAGE

Infosafe No.: LPXZ9

Version No.: 1.0

ISSUED Date : 24/04/2019

ISSUED by: PIPE REPAIR INTERNATIONAL

1. IDENTIFICATION

GHS Product Identifier

RAPP-IT PIPE REPAIR BANDAGE

Company Name

PIPE REPAIR INTERNATIONAL Business Registration No. 81 827 349 692)

Address

12/14 ARGYLE STREET ALBION
QLD 4010 Australia

Telephone/Fax Number

Telephone: +61 7 3262 3755 Fax number: +61 7 3262 3255

Emergency phone number

INFOTRAC 24/7 Emergency response contact phone numbers

1-800-535-5053 (free call from USA and Canada)

1-352-323-3500 (outside USA and Canada)

01-800-681-1530 (Mexico - local charges apply)

Recommended use of the chemical and restrictions on use

Used for emergency temporary pipe repair for all pipes.

Manufacturer Information

MARINE & INDUSTRIAL MARKETING

12/14 Argyle Street, Albion
QUEENSLAND 4010 AUSTRALIA

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute Toxicity - Oral: Category 4

Acute Toxicity - Dermal: Category 4

Sensitization - Skin: Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

Harmful if swallowed. Harmful in contact with skin. May cause an allergic skin reaction.

Pictogram (s)

Exclamation mark



Precautionary statement – Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash contaminated skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing.

Precautionary statement – Response

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.

Precautionary statement – Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Information

Chronic exposure & contact may cause noxiousness.

HMIS rating:

Health Hazards: 2

Flammability: 1

Physical hazard: 0

Personal Protective Equipment: X

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	EINECS	Proportion
Fiberglass	65997-17-3	266-046-0	30-60 %
ISOCYANATE - TERMINATED Polyurethane Resin	Proprietary		40-70 %

Other Information

The Polyurethane Resin contains the following component:

Modified Isocyanate - CAS 25686-28-6 at 0-70%.

Fibreglass type: Continuous filament glass fibers (E-type).

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion

Unlikely to occur due to the physical state of the product. However, if ingested, do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop and/or persist seek medical attention.

Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. If product adheres to skin remove as soon as possible with acetone or alcohol. Wash contaminated clothing before reuse or discard. If symptoms develop and/or persist seek medical attention.

Eye contact

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

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use carbon dioxide, water spray, dry chemical or foam. For larger fires, use water spray, water fog 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 and hydrogen cyanide.

Specific Hazards Arising From The Chemical

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

Decomposition Temperature

Not available

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 vapors or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location.

Other Information

NFPA rating:

Health Hazards: 2

Flammability: 1

Instability: 0

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust or vapor. Wear respiratory protection and full protective clothing to minimise exposure. Collect material avoiding dust generation - then transfer material in to suitable vapor tight 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 and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye exposure. Avoid inhalation of dust generated when removing the product from pipes, and skin or eye contact. Use disposable gloves. Product will adhere on contact with skin or clothing. If product adheres to skin remove as soon as possible with acetone or alcohol. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Avoid exposure. Do not handle until all safety precautions have been read and understood.

Do not use warm or hot water. That may occur heat during casting tape turns hard.

Conditions for safe storage, including any incompatibilities

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. Avoid contact with moisture or water as product will harden. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations.

Storage at high temperature or exposure to sunlight will affect the shelf life.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Continuous filament glass fibers	ACGIH	TWA	5	mg/m ³	(inhalable particulate matter), 1 f/cc (respirable fibers), A4, URT irr
Glass wool fibers, Rock wool fibers, Slag wool fibers, Special purpose glass fibers	ACGIH	TWA	-	mg/m ³	1 f/cc (respirable fibers), A3, Skin & mucous membrane irr
Refractory ceramic fibers	ACGIH	TWA	-	mg/m ³	0.2 f/cc (respirable fibers), A2, Pulm fibrosis; pulm func

Biological Limit Values

No biological limits allocated.

Appropriate Engineering Controls

Use with good general ventilation. However, if dust formation occurs after completion of application and/or during mechanical machining for removal or refinishing (for example, sawing, drilling, grinding etc.), occupational regulations have to be considered. This substance is hazardous and should be used with a local exhaust ventilation system, drawing dust/vapor away from workers' breathing zone. A flameproof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/particulate filter should be used.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

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. Occupational protective gloves should conform to relevant regulations.

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.

Other Information

As with all chemicals, exposure should be kept to the lowest possible levels.

However, the recommended exposure standards for Inert or Nuisance Dust, Respirable Fraction is: 15 mppcf, 5 mg/m³.

However, the recommended exposure standards for Inert or Nuisance Dust, Total Dust is: 50 mppcf, 15 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Solid

Appearance

Knitted fabric coated with sticky resin.

Color

White

Odor

A unique, weak odor.

Decomposition Temperature

Not available

Freezing Point

Not available

Boiling Point

Not available

Solubility in Water

Reacts with water.

Specific Gravity

1.12 (77°F) (25°C)

pH

Not available

Vapor Pressure

Not available

Vapor Density (Air=1)

Not available

Evaporation Rate

Not available

Odor Threshold

Not available

Viscosity

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

Partition Coefficient: n-octanol/water

Not available

Flash Point

>475°F (>246°C)

Flammability

Not flammable

Auto-Ignition Temperature

Not available

Explosion Limit - Upper

Not available

Explosion Limit - Lower

Not available

Explosion Properties

Not available

Oxidizing Properties

Not available

Kinematic Viscosity

Not available

Dynamic Viscosity

Not available

10. STABILITY AND REACTIVITY

Reactivity

Curing reaction occurs with water.

Chemical resistance test results for the cured bandage for exposure for 1 month:

1. Exposure to ethanol, diesel, gasoline, distilled water, toluene: No change in bandage.
2. Exposure to 30% sulfuric acid, MEK, xylene, mineral spirits, acetone: No softening of bandage. Slight discoloration.
3. Exposure to 30% hydrochloric acid: No softening of bandage. Severe discoloration.
4. Exposure to 20% caustic soda, 50% caustic soda: Slightly reduced hardness; bandage maintained integrity. No color change.
5. Exposure to 50% nitric acid: Slightly reduced hardness, bandage maintained integrity. Severe discoloration.

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Avoid moisture or water before use. This will cause unwanted hardening.

Incompatible materials

Uncured bandage: Acids and bases, amines, alcohols and strong oxidizing agents.

Hazardous Decomposition Products

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

Possibility of hazardous reactions

Not available

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this material.

Ingestion

Ingestion unlikely due to form of product. Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation

Inhalation of dusts/vapors may irritate the respiratory system.

Skin

Harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects. May cause an allergic skin reaction.

Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

Glass filament, continuous is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Continuous filament glass fibers is listed as A4 – Not Classifiable as a Human Carcinogen according to American Conference of Industrial Hygienists (ACGIH).

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No ecological data available for this material.

Persistence and degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

Other Adverse Effects

Not available

Environmental Protection

Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

Other Information

Fibreglass waste cannot be destroyed by incineration and can damage incinerators by the formation of a vitrified mass. Fibreglass waste can either be considered an inert waste or as common industrial waste and can be buried in approved landfills.

14. TRANSPORT INFORMATION

Transport Information

Not classified as Dangerous Goods by the criteria of the Department of Transport (DOT).

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number (Air Transport, ICAO)

Not regulated

IATA/ICAO Proper Shipping Name

Not regulated

IATA/ICAO Hazard Class

Not regulated

IATA/ICAO Packing Group

Not regulated

IMDG UN No

Not regulated

IMDG Proper Shipping Name

Not regulated

IMDG Hazard Class

Not regulated

IMDG Pack. Group

Not regulated

IMDG Marine pollutant

No

DOT UN NO

Not regulated

DOT Proper Shipping Name

Not regulated

DOT Class

Not regulated

DOT Packing Group

Not regulated

DOT Identification (DOT)

Not applicable

DOT Special Requirements (Special)

Not applicable

DOT Exceptions (Exceptions)

Not applicable

DOT Symbols (Symbols)

Not applicable

DOT Non-Bulk Requirements (NON_BULK)

Not applicable

DOT Bulk Requirements (BULK)

Not applicable

DOT Max. Passgr. Air/Rail. (MAXAIR)

Not applicable

DOT Max. Cargo Only Air/Rail. (MAXCARGO)

Not applicable

DOT Stowage (Stowage)

Not applicable

DOT Other Requirements (OTHER)

Not applicable

Transport in Bulk

Not available

Special Precautions for User

Extremes of temperature and direct sunlight. Keep containers tightly closed.

15. REGULATORY INFORMATION

California Proposition 65

Not Listed

SARA Section 302

Not Listed

SARA (311,312) Hazard Class

Acute Toxicity - Oral: Category 4

Acute Toxicity - Dermal: Category 4

Sensitization - Skin: Category 1

SARA (313) Chemicals

Not Listed

USA (TSCA)

One or more components of this product are not listed or exempt from listing on the inventory.

Reportable Quantity

No reportable quantity

Other Information

Canada

Canada (DSL/NDL): One or more components of this product are not listed or exempt from listing on the inventory.

Canadian NPRI: Not listed

CEPA Toxic substances: Not listed

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS Created: April 2019

References

ANSI Z400.1/Z129.1-2010. American National Standard for Hazardous Workplace Chemicals – Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

OSHA Table Z-1 Limits for Air Contaminants (June 30, 1993)(29 CFR 1910.1000)(1971 Permissible Exposure Limits (PELs)).

OSHA Table Z-3 (29 CFR 1910.1000).

Contact Person/Point

Tel: +61 7 3262 3755

END OF SDS

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