

MATERIAL SAFETY DATA SHEET

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Product Name : **WRAP SEAL QUICK REPAIR KIT FOR PIPE LEAKS**
MSDS n° 140A Revision n°: 03

Issued by : James
Issue Date : 1 June 2010

Section 1 – Company Details

Company Name : SealXpert Products
Address : Blk 3007, #06-422, Ubi Road 1
Ubi Industrial Park
Singapore 408701

Tel : +65 6747 1527
Fax : +65 6747 6547

Section 2 – Composition

<u>INGREDIENTS</u>	<u>CAS N^o</u>	<u>%</u>	<u>EXPOSURE LIMITS</u>
Fiberglass	65997-17-3	48 - 52	10mg/m ³
4,4' - Diphenylmethane di-isocyanate Other MDI isomers and oligomers	101-68-8	34 - 38	0.051 mg/m ³
Polypropylene polyol diphenyl methane di-isocyanate prepolymer	9048-57-1	6 - 8	N/A
Amine catalyst	6425-39-4	1 - 5	0.051 mg/m ³
Methanesulfonic acid	75-75-2	< 1	0.051 mg/m ³

Source of exposure limit data – ACGIH Threshold Limit Values
Abbreviations : N/A – Not Applicable

Section 3 – Hazardous identification

Hazards : Non-hazardous Substance. Not classified as dangerous goods.

Identification

Non-Hazard classification according to the criteria of NOHSC.

Non-dangerous goods classification according to the Singapore Code for Transport of Dangerous Goods.

Human : May cause sensitization by contact with eye.

Health Hazards

Safety Hazards Avoid contact with eye.

Environmental Non-toxic to aquatic organisms

Hazards

Other Information

The use of shears is recommended to remove old product from pipes so as to minimize dust formation.

Section 4 – First Aid Measures

Inhalation : Provide fresh air. If breathing becomes difficult, call physician.

Skin : S24: Avoid contact with skin.
Wash thoroughly with soap and water.

Eyes : S25: Avoid contact with eye.
S26: In case of contact with eyes, rinse immediately with plenty of water and consult a physician.

Ingestion : S46: If swallowed, seek medical advice immediately and show this container or label.
S2: Keep out of reach of children.
Unlikely route of entry.

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Section 5 – Fire Fighting Measures

- Specific Hazards** Nil.
- Extinguishing Media** H₂O spray, foam, CO₂, dry chemicals or foam
- Unsuitable Extinguishing Media** Nil
- Protective Equipment** Firefighters to wear self-contained breathing apparatus and full protective clothing.
- Other Information** Keep undamaged product cool with H₂O fog while fighting fire.

Section 6 – Accidental Release Measures

- Personal Precautions** Remove all possible sources of ignition in the surrounding area.
- Environmental Precautions** Prevent from spreading or entering into drains and surface waters (e.g. lakes, ponds, ditches, rivers and streams) by using sand, earth, or other appropriate non-combustible barriers.
- Clean-up Methods - Small Spillages** To minimize soil and groundwater contamination, absorb liquid with sand earth or other recommended absorbent material. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.
- Clean-up Methods - Large Spillages** Prevent from spreading by making a barrier with sand, earth or other containment material. Dispose of as for small spills.
- Maritime Spillages** Maritime spillages should be dealt with using a Shipboard Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex 1 Regulation 26.
- Other Information** Observe all relevant local regulations.

Section 7 – Handling and Storage

- Handling :** S37/ S39: Wear protective glove and safety glasses while handling uncured product. Uncured product will adhere to clothing. Maintain high standards of personal hygiene, washing hands after coming in contact with product.
S24/ S25: Avoid eye and skin contact.
- Storage :** S3: Store in cool, dry and well-ventilated area out of direct sunlight. Store away from all heat sources. Optimum storage conditions 4 - 30°C. For best results, rotate stock.

Section 8 – Exposure Control / Personal Protection

INGREDIENTS	CAS N°	%	EXPOSURE LIMITS
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Source of exposure limit data – ACGIH Threshold Limit Values

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Respiratory Type : Avoid breathing of dust, vapours, mists or spray. Where ventilation is inadequate and dusts, vapours or mists are generated the use of a respirator with filter is recommended. Filter capacity and respirator type depends on exposure levels.

Eye Protection S39: eye/ face protection. Non-fogging chemical safety goggles or safety glasses with side shields.

Glove Type : S37: Wear suitable impervious protective gloves such as PVC or Nitrile gloves.

Clothing : S36: Wear suitable impervious protective clothing.

Section 9 – Physical And Chemical Characteristics

APPEARANCE

Physical : Tacky resin on a fiberglass substrate

Colour : White or Yellowish

Odour : Very slight

Boiling Point : N/A

Specific Gravity : 1.23 at 43°C

Vapour Pressure : N/A

Melting Point : N/A

Vapour Density (AIR = 1) : N/A

Evaporation Rate : N/A

Solubility in Water : Nil

Section 10 – Stability and Reactivity

Stability : Stable

Products to Avoid : None

Hazardous Reactions : None

Hazardous Decomposition : None

Section 11 – Toxicological Information

ROUTE OF ENTRY	DESCRIPTION	MINIMUM CONCENTRATION FOR EFFECT
Inhalation	R20: Harmful by inhalation. Isocyanate vapours of uncured material below detectable limits.	N/A
Skin	R42/43: May cause sensitization by inhalation and skin contact. Contact (Employing modified human draize test): Product is neither an irritant nor an allergen. Adsorption: Acute demal LD50> 2g/kg, no reaction at this dose.	N/A
Eyes	R36/37/38: Irritating to eyes, respiratory system and skin. Avoid contact; uncured material is not expected to be irritant when used as directed	N/A
Ingestion	Oral LD50> 5g/kg; no mortalities or untoward behaviour reactions observed.	N/A

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Carcinogenicity:

NTP : N/A

IARC Monographs : N/A

OSHA Regulated : N/A

Signs And Symptoms Of Exposure:

Eyes : Irritation **Skin :** Minor irritation

Medical Conditions Aggravated By Exposure:

Open cuts or abrasions or rashes on skin

Section 12 – Ecological Information

Ecotoxicity : Non-toxic to aquatic organisms.

Mobility : Floats on water. Does not contains volatile components.

Persistence / Degradability

Components are inherently biodegradable.

Bioaccumulation : Nil

Section 13 – Disposal Considerations

Waste Disposal : Solid waste landfill or authorized incineration

Section 14 – Transport Information

Transportation : Not classified as Dangerous Goods according to Singapore Code for Transport of Dangerous Goods by Road, Rail and Air.

Section 15 – Other information

Other Precautions: Removal of old bandages with oscillating saws without adequate ventilation will potentially cause irritant dusts to be generated into atmosphere. The use of shears is recommended to remove old product from pipes so as to minimize dust formation.

Warning to users:

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date.

Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows.

The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.