

MATERIAL SAFETY DATA SHEET

Page 1 of 3

Product Name: **SEALXPert® FIBERGLASS REPAIR PATCH**
MSDS no: 150 Revision no: 3

Issued by : James
Issue Date : 12 July 2017

Section 1 – Company Details

Company Name: SealXpert® Products
Address: 60 Kaki Bukit Place #09-11, Eunos Techpark
Singapore 415979
Tel: +65 6742 4992/6742 4998
Fax: +65 6749 6916
Email: mailbox@sealxpert.com

Section 2 – Composition / Hazardous identification

INGREDIENTS	CAS NO	%	EXPOSURE LIMITS
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
Chromium Green-Black Hermatite	68909-79-5	5 - 10	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 Treshold Limit Values
Abbreviations : N/A – Not Applicable

Section 3 – Physical / Chemical Characteristics

APPEARANCE

Physical : Tacky resin on a fiberglass substrate

Colour : Silver Grey

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 4 – Fire and Explosion Hazard Data

Flash Point (Method Used) : ASTM D-93 (closed cup) > 200°C; Nil for uncured product

Flammable Limits : Nil; N/A

LEL : N/A

UEL : N/A

Extinguishing Media : H₂O spray, foam, CO₂, dry chemicals or foam

Fire Fighting Procedures : Keep undamaged product cool with H₂O fog while fighting fire.
Firefighters to wear self-contained breathing apparatus and full protective clothing.

MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: **SEALXPERT® FIBERGLASS REPAIR PATCH**
MSDS no: 150 Revision no: 3

Issued by : James
Issue Date : 12 July 2017

Section 5 – Stability and Reactivity

Stability : Stable
Products to Avoid : None
Hazardous Reactions : None
Hazardous Decomposition : None

Section 6 – Health Hazard Data

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

Health Hazards (Acute and Chronic) :

When water is added to product at temperatures greater than 50°C, part of the resin may be liberated in the form of MDI fume. It is suggested that at 21°C the MDI will not be liberated.

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 7 – Emergency and First Aid Response

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.

MATERIAL SAFETY DATA SHEET

Page 3 of 3

Product Name: **SEALXPERT® FIBERGLASS REPAIR PATCH**
MSDS no: 150 Revision no: 3

Issued by : James
Issue Date : 12 July 2017

Section 8 – Personal Protection

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

Section 10 – Spills and Disposal

- Spills & Leaks :** Ensure ventilation is adequate to prevent build up of potentially harmful vapours. Scrape up material and place into container for disposal. Decontaminate area and equipment with dilute ammonia and detergent. Mix additional adsorbent into spill and dispose.
- Waste Disposal :** Solid waste landfill or authorized incineration

Section 11 – Other information

- Other Precautions:** Removal of old fiberglass patch with 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 surfaces 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.