

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

ADAPT Australia Pty. Ltd.

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Tullamarine Victoria 3043
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**Product Name: Foam Sealant
Part A (FST)**

Chemical Description: Sealant Resin, Part A of 2-Part Kit

Product Use: Sealant, duct block

2. HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC Australia.

Risk Phrases: R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system, and skin.
R42 May cause sensitisation by inhalation.

Safety Phrases: S22/S23 Do not breathe dust or vapours.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S37 Wear suitable gloves.
S51 Use only in well ventilated areas.

NFPA Ratings: Health: 2
Fire: 1
Reactivity: 1

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Weight %</u>
Polymeric diphenylmethane diisocyanate	9016-87-9	100

4. FIRST AID MEASURES

Eye Contact: If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.

Inhalation (Breathing): If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.

Ingestion (Swallowing): Drink one or two glasses of milk or water. Do not induce vomiting. If victim is unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point:	>93 °C
Flammable Limits:	Not Available
Autoignition Temperature:	>600 °C
Hazardous Decomposition Products:	When heated to decomposition it emits carbon monoxide, isocyanates, hydrogen cyanide, nitrogen oxides and other fumes and vapors varying in composition and toxicity.
Extinguishing Media:	Water Fog, Carbon Dioxide, Dry Chemical or Foam
Special Precautions:	Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.
Unusual Hazards:	Keep containers closed. Sealed container can build up pressure and even melt when exposed to high heat. Cool containers with water.

6. ACCIDENTAL RELEASE MEASURES

Spills expected to be small quantities. Collect excess material with absorbants or wipe with dry towels. Dike large spills and prevent entry into sewer system. Cover with absorbent material and collect for disposal. Keep area ventilated.

7. HANDLING AND STORAGE

Keep containers cool, dry, and away from sources of ignition. Keep cartridges capped and sealed. Protect from freezing. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	Use with adequate ventilation to keep vapor concentration below acceptable limits. Observe OSHA standard 29 CFR 1910-94, 1910.107, 1910.108. If ventilation is not adequate, use approved chemical/mechanical filters designed to remove a combination of particulate and organic vapors in open and restricted areas. Use approved airline type respirators or hoods in confined areas. Observe OSHA standard 29 CFR 1910.134.
Protective Gloves:	The use of natural rubber or vinyl gloves is recommended to prevent skin contact.
Eye Protection:	Eye protection is recommended, especially if the material is used in ways where it could splash or contact the eyes.
Other Protective Equipment:	Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.
Exposure Limits and Recommendations:	Polymeric diphenylmethane diisocyanate TLV .005 ppm, sensitiser

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid
Odor Threshold:	Not Available
Vapor Density (Air = 1):	8.5
Specific Gravity (H₂O = 1):	1.23
Solubility in Water:	Reacts slowly
Boiling Point:	300 °C (decomposes)
Vapor Pressure:	<0.001 mm Hg @ 20 °C

Coefficient of Water/Oil Distribution:	Not Available
Viscosity:	250 cps @ 25 °C
Volatiles (Weight %):	0%
VOC Content:	0 grams/Liter

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid heat, flame, high humidity and water contamination.
Materials to Avoid:	Water, alcohols, amines, acids, alkalies, metal compounds.
Hazardous Decomposition Products:	When heated to decomposition it emits carbon monoxide, isocyanates, hydrogen cyanide, nitrogen oxides and other fumes and vapors varying in composition and toxicity.
Conditions Under Which Hazardous Polymerization May Occur:	May occur in contact with water or temperatures over 400 °F.

11. TOXICOLOGICAL INFORMATION

Eye Contact:	Direct eye contact with material or vapors may cause eye irritation.
Skin Contact:	Moderate irritant: Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material. Allergic skin reaction: Symptoms can include redness, swelling, blistering and itching.
Irritation and Sensitization Potential:	Prolonged or repeated skin exposure may cause skin sensitization.
Inhalation (Breathing):	Material has low vapor pressure and inhalation hazard is expected to be minimal. Vapor exposure may cause irritation of the nose and throat. Symptoms may include burning sensation, coughing and shortness of breath, or other signs of respiratory distress. May cause allergic respiratory reaction below exposure guideline in susceptible individuals.
Ingestion (Swallowing):	Ingestion may cause irritation of the gastrointestinal tract.
Oral Toxicity:	Low oral toxicity. Oral LD ₅₀ (rat), >5000 mg/Kg
Chronic Exposure:	Not Available.
Carcinogenic Status:	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.
Reproductive Toxicity:	Not Available
Mutagenicity:	Not Available
Teratogenicity:	Not Available
Toxicologically Synergistic Products:	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No information available.
Persistence and Degradability:	No information available.
Mobility:	No information available.
Bioaccumulation:	No information available.
Other:	

13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations. Cure product according to instructions. Dispose completely cured material in a sanitary landfill.

14. TRANSPORTATION INFORMATION

UN Number:	Not Listed
UN Proper Shipping Name:	Not Applicable
Class and Subsidiary Risk:	Not Applicable
Packing Group:	Not Applicable

15. REGULATORY INFORMATION

All components are listed on the AICS. Product classified as harmful (Xn).

16. OTHER INFORMATION

Date Reviewed: 11 February 2008
Reviewed By: S. H. Dahlke

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.

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