

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

ADAPT Australia Pty. Ltd.

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**Product Name: BonDuit™ Resin –
Part A Reusable Cartridge Package**

Chemical Description: Adhesive Resin

Product Use: Adhering and Connecting Plastics, Metals and other Materials.

2. HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of NOHSC Australia.

Risk Phrases: Not Applicable.

Safety Phrases: Not Applicable.

NFPA Ratings:

Health:	1
Fire:	1
Reactivity:	0

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Weight %</u>
Bisphenol A Diglycidyl Ether	25036-25-3	30 - 50

4. FIRST AID MEASURES

Eye Contact: 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 soap and 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: >200°C (PMCC)

Flammable Limits: Not Available

Autoignition Temperature: Not Available

Hazardous Decomposition Products: When heated to decomposition it emits carbon monoxide 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: Heating above 150°C in the presence of air may cause slow oxidative decomposition and above 260°C may cause polymerization.

6. ACCIDENTAL RELEASE MEASURES

Major spill unlikely with small package. Residual resin may be removed using steam or hot soapy water. Dispose of according to local and federal regulations. Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

7. HANDLING AND STORAGE

Keep cartridge tightly closed. Reseal cartridge after use. Keep cartridge cool, dark, dry, and away from sources of ignition. Protect from freezing. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. All cartridges should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Provide appropriate ventilation/respiratory protection against decomposition products during welding/flame operations (i.e. torches used to install heat shrink products) on or near cured product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	None required for normal handling temperatures and conditions.
Protective Gloves:	The use of impervious gloves is recommended to prevent skin contact.
Eye Protection:	Eye protection is recommended especially if the material is used in ways where it could 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:	TLV values for components have not been determined by OSHA, ACGIH, or Worksafe Australia Exposure Standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous black liquid/gel.
Odor Threshold:	Not Available
Vapor Density (Air = 1):	>1
Specific Gravity (H₂O = 1):	<2.0
Solubility in Water:	Negligible
Boiling Point:	Not Applicable
Freezing Point:	Not Applicable
Vapor Pressure:	Not Applicable
Coefficient of Water/Oil Distribution:	Not Available
pH:	Not Applicable
Volatiles (Weight %):	0%

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid heat, flame, sources of ignition.
Materials to Avoid:	Strong acids or bases (especially primary or secondary aliphatic amines), strong oxidizing agents.
Hazardous Decomposition Products:	CO ₂ , CO, aldehydes, acids and other organic substances may be formed during combustion or elevated temperature (>500°F) degradation.
Conditions Under Which Hazardous Polymerization May Occur:	When Sealant Resin (Part A) is mixed with Sealant Hardener (Part B), heat is generated. Use caution if combining and mixing more than one cartridge.

11. TOXICOLOGICAL INFORMATION

Eye Contact:	Direct eye contact with material or vapors may cause eye irritation. Contact at elevated temperatures may cause thermal burns.
Skin Contact:	Moderate irritant. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.
Irritation and Sensitization Potential:	Prolonged or repeated skin exposure may cause skin sensitization.
Inhalation (Breathing):	Low vapor pressure makes this route of exposure unlikely.
Ingestion (Swallowing):	Ingestion may cause irritation of the gastrointestinal tract.
Oral Toxicity:	Material has a low level of oral toxicity.
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.

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.

16. OTHER INFORMATION

Date Reviewed: 23 May 2006
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.