

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

ADAPT Australia Pty. Ltd.

11 - 19 Global Drive  
Tullamarine Victoria 3043  
Telephone Number. 03 9330 0666

Emergency Telephone Number: 1 800 039 008

**Product Name: Bonduit™ Hardener -  
Part B 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>
Polymercaptan Curing Agent	Proprietary	30 - 50
2,4,6-Tris (Dimethylaminomethyl) Phenol	90-72-2	<5

## 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:** Oxides of carbon, oxides of sulfur, oxides of nitrogen.

**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:** Toxic smoke and vapors may form during combustion.

## 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 off-white liquid/gel.

**Odor Threshold:** Low odor threshold; slight sulfur, pungent odor

**Vapor Density (Air = 1):** Not Available

**Specific Gravity (H<sub>2</sub>O = 1):** <2

**Solubility in Water:** Negligible

**Boiling Point:** Not Applicable

**Freezing Point:** Not Applicable

**Vapor Pressure:** <<1 mm Hg @ 21°C

**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 oxidizing agents.

**Hazardous Decomposition Products:** Oxides of carbon, oxides of sulfur, oxides of nitrogen.

**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

<b>Eye Contact:</b>	Direct eye contact with material or vapors may cause eye irritation.
<b>Skin Contact:</b>	May cause severe skin irritation, especially on prolonged contact.
<b>Irritation and Sensitization Potential:</b>	Prolonged or repeated skin exposure may cause skin sensitization.
<b>Inhalation (Breathing):</b>	Low vapor pressure makes this route of exposure unlikely.
<b>Ingestion (Swallowing):</b>	Ingestion may cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea.
<b>Oral Toxicity:</b>	Material is considered slightly toxic.
<b>Chronic Exposure:</b>	Not Available.
<b>Carcinogenic Status:</b>	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.
<b>Reproductive Toxicity:</b>	Not Available
<b>Mutagenicity:</b>	Not Available
<b>Teratogenicity:</b>	Not Available
<b>Toxicologically Synergistic Products:</b>	Not Available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No information available.
<b>Persistence and Degradability:</b>	No information available.
<b>Mobility:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.
<b>Other:</b>	

## 13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations.

## 14. TRANSPORTATION INFORMATION

<b>UN Number:</b>	Not Listed
<b>UN Proper Shipping Name:</b>	Not Applicable
<b>Class and Subsidiary Risk:</b>	Not Applicable
<b>Packing Group:</b>	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.