

# MATERIAL SAFETY DATA SHEET

## 1. American Polywater Corporation

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**Product Name: Bonduit® Hardener -  
Part B Reusable Cartridge Package**

**Date Reviewed:** April 11, 2007  
**Reviewed By:** S. H. Dahlke

**Emergency Number:** 1-651-430-2270

## 2. HAZARDOUS INGREDIENTS

<u>Components*</u>	<u>CAS #</u>	<u>Weight %</u>	<u>ACGIH TLV</u>	<u>OSHA TLV</u>
	Proprietary		NE**	NE**

\* All components are listed on the TSCA inventory and Canadian Domestic Substance List (DSL).

\*\* Not Established

Components listed as proprietary are considered trade secret in accordance with the OSHA Hazard and Communication Standard (29 CFR 1910.1200). Identity of proprietary components will be made available in accordance with this standard.

### \*\*\*Emergency Overview\*\*\*

Off white to yellow, thin paste. Part B hardener of two-part cylinder cartridge.

Eye and skin irritant. May cause skin sensitization. In case of eye contact, flush eyes with water. Wear gloves and safety glasses. Avoid contact with skin. Use with adequate ventilation. Do not ingest. Keep out of reach of children.

## 3. HAZARDS IDENTIFICATION

**Eye Contact:** Direct eye contact with material or vapors may cause severe eye irritation.

**Skin Contact:** May cause severe skin irritation, especially on prolonged contact. Prolonged or repeated skin exposure may cause skin sensitization

**Inhalation (Breathing):** Excess vapor exposure may cause irritation of the nose and throat. Prolonged exposure may cause delayed lung injury and chemical pneumonia.

**Ingestion (Swallowing):** Material is considered slightly toxic. Ingestion may cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea.

**Carcinogenic Status:** None of the components present in this material at concentrations equal to or greater than 0.1% have been identified by IARC, NTP or OSHA as a carcinogen.

## 4. FIRST AID

**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 continues, 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 AND EXPLOSION HAZARD

**Flash Point:** >200°F (PMCC)

**Flammable Limits:** Unknown

**Extinguishing Media:** Water Fog, Carbon Dioxide, Dry Chemical or Foam

**Special Procedures:** 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.

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

**6. ACCIDENTAL RELEASE MEASURES**

Major spill unlikely with small package. Rinse surface with water to remove residue. Dispose according to local and federal regulations. Prevent spill from entering drainage/sewer systems.

**7. HANDLING AND STORAGE**

Keep cartridge tightly closed. Reseal cartridge after use. Avoid contact with skin, eyes, or clothing. Uncured Bonduit® Hardner Part B is a skin irritant. Use good personal hygiene practice. 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. Keep containers cool, dark, dry, and away from sources of ignition. All cartridges should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**8. CONTROL MEASURES**

**Respiratory Protection:** None required with proper ventilation.

**Ventilation:** Use with adequate ventilation.

**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 eyes.

**Other Protective Equipment:** Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

**9. PHYSICAL DATA**

**Appearance:** Thin, off-white paste;  
Unpleasant, slight sulfur, pungent odor

**Vapor Pressure:** <<1 mm Hg @ 70°F

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

**Percent Volatiles (Weight):** 0%

**Boiling Point:** Not determined

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

**Solubility in Water:** Negligible

**Evaporation Rate:** <1 (n-butyl acetate = 1)

**10. REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** Open flame and extreme heat.

**Incompatibility:** Strong oxidizing agents.

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

**Conditions in Which Hazardous Polymerization May Occur:** When Hardener (Part B) is mixed with Resin (Part A), heat is generated. Use caution if combining and mixing more than one cartridge.

**Hazardous Polymerization:** Will not occur.

**11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION**

Refer to Section 3 for available information on potential health effects.

**12. DISPOSAL CONSIDERATIONS**

Dispose of product in accordance with local, county, state, and federal regulations. As supplied, BonDuit® Hardener - Part B is not considered hazardous waste under RCRA.

**13. TRANSPORTATION**

**DOT Hazard Class:** Not Regulated

**DOT Shipping Name:** Not Applicable

**14. REGULATORY STATUS**

**Canada WHMIS Class:** D2B (Toxic)

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<b>Acute</b>	<b>Chronic</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactive</b>
	Yes	No	No	No	No

<u>Components</u>	<b>CERCLA/SARA Sec. 302</b>	<b>SARA Sec. 313</b>	
	<u>Hazardous Substance RQ</u>	<u>EHS TPQ</u>	<u>Toxic Release</u>

The components of Bonduit® Hardener - Part B are not affected by these Superfund regulations.

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Disclaimer: 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.