

MATERIAL SAFETY DATA SHEET

1. **American Polywater Corporation**
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**Product Name: BonDuit® Resin –
Part A Reusable Cartridge Package**

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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 the 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.

3. HAZARDS IDENTIFICATION

Emergency Overview

Black, thin paste. Part A resin 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.

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. Prolonged or repeated skin exposure may cause skin sensitization.

Inhalation (Breathing): Low vapor pressure makes this route of exposure unlikely.

Ingestion (Swallowing): Material has a low level of oral toxicity. Ingestion may cause irritation of the gastrointestinal tract.

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: 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 AND EXPLOSION HAZARD

Flash Point: >400°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: Heating above 300°F in the presence of air may cause slow oxidative decomposition and above 500°F may cause polymerization.

Hazardous Products of Combustion: When heated to decomposition it emits carbon monoxide and other fumes and vapors varying in composition and toxicity.

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. CONTROL MEASURES

Respiratory Protection: None required for normal handling temperatures and conditions.

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 the 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, black paste

Vapor Pressure: Not Applicable

Specific Gravity (H₂O = 1): <2.0

Percent Volatiles (Weight): 0%

Boiling Point: Not Applicable

Vapor Density (Air = 1): >1

Solubility in Water: Negligible

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

10. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid heat and flame.

Incompatibility: Strong acids or bases (especially primary or secondary aliphatic amines), strong oxidizing agents.

Hazardous Products of Decomposition: CO₂, 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 BonDuit® Resin (Part A) is mixed with BonDuit™ Hardener (Part B), heat is generated. Use caution if combining and mixing more than one cartridge.

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® Resin - Part A 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)

**Hazard Categories for SARA
Section 311/312 Reporting**

Acute
Yes

Chronic
No

Fire
No

Pressure
No

Reactive
No

Components

**CERCLA/SARA Sec. 302
Hazardous Substance RQ EHS TPQ**

**SARA Sec. 313
Toxic Release**

The components of BonDuit® Resin - Part A are not affected by these Superfund regulations.