

# MATERIAL SAFETY DATA SHEET

1. **American Polywater Corporation**  
11222 - 60th Street North  
P.O. Box 53  
Stillwater, MN 55082 USA  
Phone: 1-651-430-2270  
Fax: 1-651-430-3634

**Product Name: Foam Sealant -  
FST (Part A)**

**Date Reviewed:** January 30, 2008  
**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 TWA</u>	<u>Manufacturer Recommendation</u>
Polymeric diphenylmethane diisocyanate	9016-87-9	100	NE**	.005 ppm

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

\*\* Not Established

## 3. HAZARDS IDENTIFICATION

### \*\*\*Emergency Overlook\*\*\*

Urethane prepolymer. Brown/amber liquid resin.

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 vapors or splashes may cause eye irritation.

**Skin Contact:** May be harmful if absorbed through skin. Prolonged or repeated skin exposure may cause allergic sensitivity. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

**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):** Oral toxicity is expected to be low.

**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. IARC Category 3, not classifiable.

## 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:** 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.

**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 (93°C)

**Autoignition Temperature.** > 1112°F (600°C)

**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:** 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 absorbents or wipe with dry towels. Wash with a dilute ammonia solution. Prevent from entering waterways.

**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. CONTROL MEASURES**

**Ventilation:** 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 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 in 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:** Brown liquid

**Vapor Pressure:** < 0.001 mm Hg @ 20°C

**Specific Gravity (H<sub>2</sub>O = 1):** 1.23

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

**VOC Content:** 0 grams/L

**Boiling Point:** 572°F (300°C) decomposes

**Vapor Density (Air = 1):** 8.5

**Solubility in Water:** Reacts slowly

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

**Viscosity:** 250 cps at 25°C

**10. REACTIVITY DATA**

**Stability:** Stable

**Hazardous Polymerization:** May occur in contact with water or temperatures over 400°F.

**Conditions to Avoid:** Avoid heat, flame, high humidity and water contamination.

**Incompatibility:** Water, alcohols, amines, acids, alkalies, metal compounds.

**11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION**

Chemical Name	Oral LD <sub>50</sub> (rat)	Dermal LD <sub>50</sub> (rabbit)	Inhalation LC <sub>50</sub> (rat)
Polymeric diphenylmethane diisocyanate	>5000 mg/kg	>500 mg/kg	Not Established

**12. DISPOSAL CONSIDERATIONS**

Dispose of product in accordance with local, county, state, and federal regulations. Foam Sealant - Part A is not considered hazardous waste under RCRA.

**13. TRANSPORTATION**

**DOT Hazard Class:** Not Regulated

**IMO/IMDG Code:** Not Regulated

**DOT Shipping Name:** Not Applicable

**ICAO/IATA:** Not Regulated

**14. REGULATORY STATUS**

**Canada WHMIS:** Class D2B

**Hazard Categories for SARA**

**Section 311/312 Reporting**

**Acute**

Yes

**Chronic**

Yes

**Fire**

No

**Pressure**

No

**Reactive**

No

**CERCLA/SARA Sec. 302**

**Components**

Polymeric diphenylmethane diisocyanate  
(CAS# 9016-87-9)

**Hazardous Substance RQ**

No

**EHS TPQ**

No

**SARA Sec. 313**

**Toxic Release**

Yes (1%)