

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

Supplier/Manufacturer:

American Polywater Corporation
11222 - 60th Street North
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Stillwater, MN 55082 USA
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NL-3012CD Rotterdam
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Emergency Number: +1-651-430-2270

**Product Name: AirRepair[®]
Plastic Primer (AR-PRIMER)**

Chemical Description: Solvent adhesive blend

Product Use: Adhesion promotion

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt %</u>
1-Bromopropane	106-94-5	203-445-0	10 - 90
Cyclohexane	110-82-7	203-806-2	< 10

3. HAZARDS IDENTIFICATION

Emergency Overview:

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 severe eye irritation.

Skin Contact:

Skin irritant. Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

Irritation and Sensitization Potential:

This product has skin irritation potential. It is a sensitizer.

Inhalation (Breathing):

Excess inhalation can cause headache; narcosis; dizziness; drowsiness; irritation; unconsciousness; numbness; potential nerve damage; and pulmonary irritation.

Ingestion (Swallowing):

May irritate digestive tract causing nausea, abdominal pain, vomiting and diarrhea.

4. FIRST AID MEASURES

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 occurs, seek medical attention.
- Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.
- Ingestion (Swallowing):** Do not induce vomiting or give anything by mouth. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

5. FIRE-FIGHTING MEASURES

- Flash Point:** None
- Flammable Limits:** Not Available
- Autoignition Temperature:** Not Available
- Hazardous Decomposition and By- Products:** Include hydrogen bromide, bromine, oxides of carbon, oxides of nitrogen and aldehydes.
- Extinguishing Media:** Carbon Dioxide, Dry Chemical or Foam.
- Special Precautions:** Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Use water spray to cool fire-exposed containers.
- Unusual Hazards:** None

6. ACCIDENTAL RELEASE MEASURES

Spill hazard is limited with small package. For small spills, absorb with sand or absorbents. If spill is indoors, ventilate area of spill. Keep out of drains, sewers or waterways. Do not flush area with water.

7. HANDLING AND STORAGE

Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. Use and store this product with adequate ventilation. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory Protection:** Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH approved) or use supplied air equipment.
- Protective Gloves:** For skin contact, the use of impermeable gloves is recommended. Nitrile gloves, provided in AirRepair® Kit, are acceptable for short-term use.

Eye Protection: Eye protection is recommended, especially if the material is used in ways where it could contact the eyes. Wear goggles or safety glasses with side shields.

Other Protective Equipment: It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Exposure Limits and Recommendations:

<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
1-Bromopropane	Not Established	10 ppm
Cyclohexane	300 ppm	300 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid, slightly viscous.

Odor Threshold: Not Available

Vapor Density (Air = 1): >2

Specific Gravity (H₂O = 1): 1.2

Solubility in Water: Negligible

Boiling Point: 160°F/71°C (Initial)

Freezing Point: Not Available

Evaporation Rate: > 2 (Water = 1)

Vapor Pressure: 139 mm Hg @ 25°C/77°F

Coefficient of Water/Oil Distribution: Not Available

pH: Not Applicable

Volatiles (Weight %): 94%

VOC Content: Not Applicable

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: High temperatures, open flame, other potential ignition sources.

Materials to Avoid: Oxidizing agents and strong acids (or bases).

Hazardous Decomposition and By-Products: Include hydrogen bromide, bromine, oxides of carbon, oxides of nitrogen and aldehydes.

11. TOXICOLOGICAL INFORMATION

Toxicity to Animals:

1-Bromopropane	LD ₅₀ (oral rat) 4,260 mg/kg
	LC ₅₀ (inh rat) 253,000 mg/m ³ /0.5 hr

Chronic Exposure:	Long term overexposure may cause adverse effects in the liver, respiratory system, kidney, and central nervous system.
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

Mobility:	No information available.
Bioaccumulation:	No information available.
Ecotoxicity:	No information available.
Aquatic Toxicity:	96 h LC ₅₀ Fathead Minnows 67,300 µg/l

13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, county, state, and federal regulations.

14. TRANSPORTATION INFORMATION

UN Number:	Not Listed
UN Proper Shipping Name:	Not Applicable
Class and Subsidiary Risk:	Not Applicable
Packing Group:	Not Applicable
TDG:	Not Regulated
ICAO/IATA-DGR:	Not Regulated
IMDG:	Not Regulated
ADR/RID:	Not Regulated

15. REGULATORY INFORMATION**USA Federal and State**

All components are listed on the TSCA inventory.

Hazard Categories for SARA Section 311/312 Reporting	Acute Yes	Chronic Yes	Fire No	Pressure No	Reactive No
	CERCLA/SARA Sec 302			SARA Sec. 313	
Components	Hazardous Substance RQ		EHS TPQ		Toxic Release
Cyclohexane (<6%)	Yes (1,000 lbs)		No		Yes (1%)
1,2 Butylene Oxide (<0.5%)	Yes (100 lbs)		No		Yes (1%)

European Union

Product is classified as hazardous according to European Directives 88/379/EEC and 67/548/EEC and EU Regulation (EC) No 1272/2008.

Risk Phrases:

R36/37/38: Irritating to eyes, respiratory system, and skin.
 R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R60: May impair fertility.
 R65: Harmful: may cause lung damage if swallowed.
 R67: Vapors may cause drowsiness and dizziness.

Safety Phrases:

S2: Keep out of reach of children.
 S9: Keep container in a well-ventilated place
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28: After contact with skin, wash immediately with plenty of water.
 S45: In case of accident or if you feel unwell, seek medical advice.
 S62: If swallowed, do not induce vomiting: seek medical advice immediately.

Symbol:

T: Toxic

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

Canada

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Classification:

DB2 (Toxic)

Canadian DSL:

All ingredients listed.

Australia

All components are listed on the AICS.
 Hazardous according to criteria of NOHSC Australia.

Contact Information:

ADAPT Australia Pty. Ltd.
 11 - 19 Global Drive
 Tullamarine Victoria 3043
 Telephone Number. 03 9330 0666

Emergency Telephone Number: 0421 277 889

16. OTHER INFORMATION

NFPA Ratings:	Health:	2
	Fire:	1
	Reactivity:	0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

Revision Date:	May 10, 2010
Revision Number:	1
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.

AR-Primer:MSDS