

**MATERIAL SAFETY DATA SHEET – Polyco Adhesives**

**GLT Products**  
6810 Cochran Road  
Solon, OH 44139

Date Prepared: 03/08/07  
Emergency Phone: Chem-Tel 800/255-3924  
Information Phone: 440/914-1122

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**Section 1 – Product Identification**

Name: **Polyco Adhesives**

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**Section 2 – Hazardous Ingredients / Identity Information**

Tetrahydrofuran CAS# 109-99-9 (70-70%)  
OSHA PEL 200 PPM  
ACGIH TLV 200 PPM  
Other recommended limits: STEL 250 PPM

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**Section 3 – Physical/Chemical Characteristics**

Appearance:	White or clear liquid. Consistency of syrup. Characteristic solvent odor.
Boiling Point:	151°F
Vapor Pressure (mm Hg):	190
Vapor Density (Air=1):	2.5
Specific Gravity (H2O=1):	Approx. 0.9
Melting Point:	Not applicable – liquid at room temperature
Evaporation Rate (Butyl acetate=1):	5.5 to 8

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**Section 4 – Fire and Explosion Hazard Data**

Flash Point (Method Used):	7 F tag closed cup
Flammable Limits at 25C:	LEL 1.8%, UEL 11.8%
Extinguishing Media:	Dry chemical, carbon dioxide or alcohol foam
Special Fire Fighting Procedures:	Water may be used to cool containers but may be ineffective in controlling fire.
Unusual Fire and Explosion Hazards:	Fire hazard because of low flash point, high volatility and heavy vapor.

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**Section 5 – Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not occur

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**Section 6 – Health Hazard Data**

Routes of Entry:

Inhalation? Yes

Skin? Yes

Ingestion? Yes

Health Hazards (Acute and Chronic): Inhalation may cause nausea, dizziness, and headache. Skin contact may cause dermatitis. Eye irritant. If swallowed, may cause liver and kidney damage.

Carcinogenicity: No

IARC Monographs? No

OSHA Regulated? No

Signs and Symptoms of Exposure: Severe overexposure may result in nausea, dizziness or headache. Can cause narcosis. Has normal defatting effect of solvents on skin.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin and respiratory disorders.

Emergency and First Aid Procedures: Irritant to eyes and nasal passages. If overcome by vapors, remove to fresh air. For contact with skin, flush with water for 15 minutes. For contact with eyes, immediately flush with water; call physician. If swallowed, do not induce vomiting; call a physician, poison control center or hospital immediately.

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**Section 7 – Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled: Eliminate all ignition sources. Avoid breathing vapors. Keep liquid out of eyes. Prevent liquid from entering sewers.

Waste Disposal Method: Dispose of in accordance with federal, state and local laws. If approved, may be incinerated, evaporated or disposed of in approved hazardous waste landfill. Evaporation is the preferred method of disposal. To evaporate, leave container open in an outdoor location for 30 days. When material is completely evaporated, dispose of the dauber cap in a non-hazardous landfill, and recycle the steel can.

Precautions to be taken in handling and storing: Keep away from heat, sparks, open flame, and other sources of ignition. Use with adequate ventilation. Avoid contact with skin.

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**Section 8 – Control Measures**

Respiratory Protection (Specify type):	None required with normal ventilation. If using where ventilation cannot be supplied, a half-mask respirator with an organic-vapors cartridge is recommended.
Protective Gloves:	Rubber or PVA.
Eye Protection:	Chemical safety goggles to prevent splashing in eyes.
Other Protective Clothing or Equipment:	Rubber, polyethylene or Tyvek apron.
Work/Hygienic Practices:	Use good industrial hygiene practice.

**Section 9 – Transportation Information**

US Dept. of Transportation Hazard Class:	3
Shipping Name:	Adhesive, Flammable Liquid
Technical Shipping Name:	Tetrahydrofuran
ID Number:	UN1133
Packing Group:	II
Labels:	Flammable Liquid
Exemptions:	1 Liter or smaller containers ships as Limited Quantity/ORM-D. No label or placard required.

**Section 10 – Miscellaneous Information**

VOC Content:	710 grams per liter.
<b><u>HMIS:</u></b>	
H:	2
F:	4
R:	1
PP:	B

**Section 9 – Disclaimer**

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end users responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.