

MATERIAL SAFETY DATA SHEET

1. **American Polywater Corporation**
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**Product Name: Polywater®
LZ Lubricant**

Date Reviewed: May 31, 2007
Reviewed By: S. H. Dahlke

Emergency Number: 1-651-430-2270

2. HAZARDOUS INGREDIENTS

This product contains no reportable hazardous components under 29 CFR 1910.1200. There are no OSHA or ACGIH threshold limit values for the product or any of its ingredients.

All components are listed on the TSCA inventory.

3. HAZARDS IDENTIFICATION

Emergency Overview

Low solids, water-based lubricant. Thin very slightly viscous liquid containing Polysiloxane

Lubricant is electrically conductive when applied. Dry from conductor before energizing circuit. In case of eye contact, flush eyes with water. Industrial use only. Very slippery if spilled.

Eye Contact: Direct eye contact may cause eye irritation.

Skin Contact: This product has low skin irritation potential. There is no dermal toxicity hazard.

Inhalation (Breathing): No inhalation hazard expected with water vapor.

Ingestion (Swallowing): This product has low ingestion hazard.

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.

4. FIRST AID

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

Skin Contact: If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.

Inhalation (Breathing): No first aid expected to be required. Not an inhalation hazard.

Ingestion (Swallowing): No first aid expected to be required. If difficulties arise, contact a physician.

5. FIRE AND EXPLOSION HAZARD

Flash Point: None.

Flammable Limits: Product is not flammable.

Extinguishing Media: Does not apply.

Special Procedures: Does not apply.

Unusual Hazards: Sealed container can build up pressure when exposed to high heat. Cool containers with water.

Hazardous Decomposition Products: High temperature steam, potentially carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Polywater® LZ Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops. Oxidizing agents, such as household bleach, can be used to eliminate the slippery character. Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

7. HANDLING AND STORAGE

Keep product containers closed when not in use. Avoid spills and clean them up immediately when they occur. Product is very slippery.

8. CONTROL MEASURES**Respiratory Protection:** Normal ventilation adequate.**Protective Gloves:** For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.**Eye Protection:** Safety glasses recommended.**9. PHYSICAL DATA****Appearance:** White, gel liquid.**Vapor Pressure:** 18mm @ 72°F**Specific Gravity (H₂O = 1):** .99**Percent Volatiles (Weight):** > 96%**Viscosity:** 25,000-40,000 cps. @ 10 rpm.**VOC Content:** 0gms/L**Boiling Point:** ~212°F (100°C)**Ignition Temperature:** None**Vapor Density (Air = 1):** .9 to 1.1**Solubility in Water:** Infinite**Percent Water (Weight):** > 96%**pH:** 6.5 to 7.5**10. REACTIVITY DATA****Stability:** Stable**Incompatibility:** Avoid materials which react with water.**Hazardous Polymerization:** Will not occur.**11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION**

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

Based on ingredients, LD₅₀ (rat) is estimated to be well over 50 g/kg.**12. DISPOSAL CONSIDERATIONS**Dispose of product in accordance with local, county, state, and federal regulations. Polywater[®] LZ Lubricant is not considered hazardous waste under RCRA.**13. TRANSPORTATION****DOT Hazard Class:** Not Applicable**DOT Shipping Name:** Not Applicable

For domestic purposes, this product is not defined or designated as a hazardous material by the U.S. Department of Transportation.

14. REGULATORY STATUS**Canada WHMIS Class:** NC**Hazard Categories for SARA
Section 311/312 Reporting**

Acute	Chronic	Fire	Pressure	Reactive
No	No	No	No	No

Components**CERCLA/SARA Sec. 302
Hazardous Substance RQ
EHS TPQ****SARA Sec. 313
Toxic Release**The components of Polywater[®] LZ Lubricant are not affected by these Superfund regulations.