

# MATERIAL SAFETY DATA SHEET

## 1. American Polywater Corporation

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**Emergency Number:** 1-651-430-2270

**Product Name: Polywater<sup>®</sup>  
Lubricant F**

**Chemical Description:** Low Solids Water Solution  
**Canada WHMIS Class:** NC

**Date Reviewed:** June 23, 2004

**Reviewed By:** S. H. Dahlke

## 2. HAZARDOUS INGREDIENTS

<u>Components*</u>	<u>CAS #</u>	<u>Weight %</u>	<u>ACGIH TLV**</u>	<u>OSHA TWA</u>
Stabilizer	proprietary	<2	100 ppm	100 ppm

\* All components are listed on the TSCA inventory.

\* 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 as provided in this standard.

\* This product contains no other reportable hazardous components under 29 CFR 1910.1200.

## 3. HAZARDS IDENTIFICATION

	<u>HMIS</u>	<u>NFPA</u>	<u>Key</u>	
Health	0	0	0-minimal	3-serious
Flammability	0	0	1-slight	4-severe
Reactivity	0	0	2-moderate	

## 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<sup>®</sup> Lubricant F 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:** Transparent to slightly opaque, orange, stringy liquid.

**Vapor Pressure:** 18mm @ 72°F (22°C)

**Specific Gravity (H<sub>2</sub>O = 1):** 1.01

**Percent Volatiles (Weight):** 96%

**Viscosity:** 1,000-3,000 cps. @ 10 rpm.

**Boiling Point:** 212°F (100°C)

**Ignition Temperature:** None

**Vapor Density (Air = 1):** .9 to 1.1

**Solubility in Water:** Infinite

**Percent Water (Weight):** 92%

**pH:** 8.0 to 9.5

**10. REACTIVITY DATA**

**Stability:** Stable

**Incompatibility:** Avoid materials which react with water.

**Hazardous Polymerization:** Will not occur.

**11. HEALTH HAZARD/TOXICOLOGICAL INFORMATION**

**Eye Contact:** Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

**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):** Based on ingredients, LD<sub>50</sub> (rat) is estimated to be well over 50 g/kg.

**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.

**12. DISPOSAL CONSIDERATIONS**

Dispose of product in accordance with local, county, state, and federal regulations. Polywater® Lubricant F 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**

<b>Hazard Categories for SARA Section 311/312 Reporting</b>	<b>Acute</b> No	<b>Chronic</b> No	<b>Fire</b> No	<b>Pressure</b> No	<b>Reactive</b> No
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<b><u>Components</u></b>	<b><u>CERCLA/SARA Sec. 302 Hazardous Substance RQ</u></b>	<b><u>EHS TPQ</u></b>	<b><u>SARA Sec. 313 Toxic Release</u></b>
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The components of Polywater® Lubricant F are not affected by these Superfund regulations.

**Visit the Polywater® F MSDS online at <http://www.polywater.com/fmsds.html>**