

MATERIAL SAFETY DATA SHEET
LILY PRODUCTS OF MICHIGAN, INC.

Date Last Revised: April, 2011

Poly G-3A

I. GENERAL INFORMATION

Chemical Name & Synonyms:

Chemical Family:
Propylene Glycols

Proper DOT Shipping Name:
Propylene glycol based
hydraulic fluid

Manufacturer:
Lily Products of Michigan, Inc.
2070 Calvin, S.E.
Grand Rapids, MI 49507

Trade Name & Synonyms:
Poly G-3A Shoring Fluid
Formula:
Section II

DOT Hazard Classification:
Non Hazardous

Manufacturer's Phone Number:
(616) 245-9193
Chemtrec Emergency Telephone:
1-800-424-9300

II. INGREDIENTS

Principal Components:	CAS Number:	%	Exposure Limits:
Propylene Glycol	57-55-6	90 +/- 10%	LD50 Oral Rat 34g/Kg
Alkanol Amide	Not Avail.	1 +/- 0.5%	N/D
Triethanol Amine	102-71-6	5 +/- 3%	LD50 Oral Rat >5g/Kg
Boric Acid Ester	68071-04-5	5 +/- 3%	STEL 6ppm
Hexa Hydrohydroxyethyl Triazine	4719-04-4	0.5 +/- 0.4%	N/D

III. PHYSICAL DATA

Boiling Point: 365F - 364F	Specific Gravity (H2O=1): 1.045
Vapor Pressure (mm Hg.): 0.22	Percent Volatile By Volume (%): 98%
Vapor Density (Air=1): 2.6	Evaporation Rate Nbutyl Actetate=1 <0.01
Solubility in Water: Soluble	pH: at 100% = 8.0 - 9.0
Appearance & Odor: Viscous, amber liquid with mild odor.	

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): 211F	Auto Ignition Temperature: Not Applicable
Flammable Limits:	LEL: 2.6% UEL: 12.6%
Extinguishing Media: Alcohol foam, water fog, CO2 or dry chemical.	
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus.	
Unusual Fire & Explosion Hazards: None	

NFPA CODES Health - 1, Fire - 1, Reactivity - 0

Threshold Limit Value:
Not Established

OSHA Threshold Limit Value:
Not Established

ACGIH Threshold Limit Value:
Not Established

Carcinogen - NTP Program:
No

Carcinogen - IARC Program:
No

Symptoms of Overexposure:

Possible irritation to skin or eyes. Some components slightly toxic to ingestion.

Medical Conditions Aggravated By Exposure:

None known

Primary Routes of Entry:

Skin and eye contact

Emergency First Aid:

SKIN & EYES - Flush with water 15 minutes. If irritation develops, seek medical attention. INGESTION - DO NOT INDUCE VOMITING. Drink water to dilute and seek medical attention immediately.

VI. REACTIVITY DATA

Stability:

Stable

Conditions To Avoid:

None

Incompatibility, Materials To Avoid:

Strong oxidizers, acids, bases, nitrites, nitrates

Hazardous Polymerization:

Will Not Occur

Conditions To Avoid:

None

Hazardous Decomposition Products:

CO_x NO_x

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response:

Contain spills larger than 1 gallon and use absorbent material to soak up. If the spill is large, contain and pump to a DOT approved drum.

Waste Disposal Method:

Dispose in accordance with all local, state, provincial and federal regulations.

Environmental Considerations:

Poly G-3A is a biodegradable fluid and while relatively non-toxic to aquatic life, efforts should be made to keep this product and its dilutions from entering surface waters. This product has a large Oxygen Demand during biodegradation and may temporarily create localized low levels of dissolved oxygen which would be detrimental to aquatic life. This product is readily biodegradable in the soil but care should still be taken to contain and remove large spills.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection:

Chemical resistant goggles

Skin Protection:

Rubber gloves.

Respiratory Protection:

N/A

Ventilation Recommended:

General

Other Protection:

N/A

IX. SPECIAL PRECAUTIONS

Hygienic Practices In Handling & Storage:

Keep container closed when not in use. Store in cool, dry place away from chemicals listed in Section VI.

Precautions For Repair & Maintenance of Contaminated Equipment:

Not Applicable

Other Precautions: Not Applicable