

SAFETY DATA SHEET

This SDS conforms to the GHS, ISO 11014-1, and ANSI Z400.1

This SDS complies with 29 CFR 1910.1200

Prepared according to EU Directive 1907/2006/EC

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PuroLube Turbo Gold Centrifugal Compressor Fluid

Product Code: PuroLube TG-0500, TG-5500

Product Type: Polyether Polyol / Polyol ester blend Lubricant

Recommended Use: Centrifugal air compressor lubricant

Supplier:

Fluid Metrics, LLC

4514 Chamblee Dunwoody Rd. #252

Dunwoody, GA 30338-6202

Office: 770-393-8636 Cell: 770-241-7084

Emergency Spill Information:

770-241-7084 (US & Canada)

979-665-9813 (Alternate number)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Product Classification: None

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. The product does not require a hazard warning label in accordance with GHS criteria according to REGULATION (EC) No 1272/2008.

Risk Phrases: None

Safety Phrases: S24, S26, S27/28(soap and water), S29/35, S36/37/39, S57, S62, S3

HMIS Code: (Health: 1) (Flammability: 1) (Physical Hazard: 0) (Protection: B)

NFPA Code: (Health: 1) (Flammability: 1) (Reactivity: 0)

WHMIS Code: None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by wt.</u>
Polyether polyol	9003-13-8	60-85%
Pentaerythritol Tetraester	67762-53-2	20-40%
Proprietary Additives	Proprietary	<10%

SECTION 4 – FIRST AID MEASURES

Eye: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin: After contact with skin, take off immediately all contaminated clothing, wash immediately with plenty of soap and water.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately.

Symptoms/effects: Mild irritation may occur with overexposure.

Special treatment: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire use dry chemical, carbon dioxide, foam, steam, or water fog.

Unsuitable Extinguishing Media: Never use water.

Specific Hazards: Keep away from extreme heat and open flames.

Hazardous Combustion Products: Incomplete combustion results in oxides of carbon.

Fire Fighting Equipment: Fire fighters should wear an approved self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing and gloves.

Environmental precautions: Use appropriate containment to avoid environmental contamination. Do not empty into drains; dispose of this material and its container in a safe way.

Methods and materials for cleanup: To clean the floor and all objects contaminated by this material use an inert absorbent material.

SECTION 7 – HANDLING AND STORAGE

Handling: No special requirements if handled with reasonable care. Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Storage: Keep in a cool place away from open flames. No special storage precautions required.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: In case of insufficient ventilation wear suitable respiratory equipment.

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear, amber colored liquid	
Odor	: Mild	
Odor Threshold	: Not Determined	
pH	: 7-8.5	Method: ASTM D1293
Melting Point / Freezing Point	: Pour Point < -40°C (-40 °F)	
Initial Boiling Point	: Not applicable, decomposes	
Flash Point	: 280°C (536 °F)	Method: ASTM D92
Evaporation Rate	: Not determined	
Flammability	: Not flammable	
Upper/Lower Explosive Limits	: Not determined	
Vapor Pressure	: Not determined	Method: ASTM D5482
Vapor Density	: Not determined	
Specific Gravity	: 0.98 g/cm ³ @ 25 °C	Method: ASTM D1475
Solubility in Water	: approximately 0.7% @ 60°C, floats on top of water.	
Partition Coefficient	: Not determined	Method: ASTM E1147
Autoignition Temperature	: >280°C (>536 °F)	Method: ASTM E659
Decomposition Temperature	: Not determined	Method: ASTM E2550
Viscosity	: 39 cSt @ 40°C	Method: ASTM D445

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Material is normally stable at moderately elevated temperatures and pressures.

Hazardous Reactions: None.

Conditions to Avoid: Keep away from extreme heat.

Materials to Avoid: Keep away from chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition Products: None identified.

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Contact: Mildly irritating to eyes.

Skin Contact: Prolonged or repeated contact may cause skin irritation. High pressure injection into or under the skin should be considered a medical emergency, and treated immediately.

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Ingestion: No significant health hazards identified.

Primary Routes of Entry: None identified.

- ACUTE EXPOSURE --

Toxicological testing has not been conducted on this product.

Dermal Toxicity	The LD 50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	No data available to indicate product may be a toxic inhalation hazard.
Oral Toxicity	The LD50 in rats is between 2000 mg/kg and 5000 mg/kg. Based on data from components or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Dermal Sensitization	No data available to indicate product may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product may be a respiratory sensitizer.

-- CHRONIC EXPOSURE --

Toxicological testing has not been conducted on this product.

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

SECTION 12 – ECOLOGICAL INFORMATION

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity: The acute LC50 is 100 - 1000 mg/L based on similar products.

-- ENVIRONMENTAL FATE --

Persistence and Degradability: This product will biodegrade very rapidly based on OECD 301-type test data for similar products.

Bioaccumulative Potential: Not determined.

Mobility in Soil: Not determined.

Other Adverse Effects: None identified.

SECTION 13 – DISPOSAL INFORMATION

Do not empty into drains; dispose of this material and its container as non-hazardous waste.

US EPA Disposal as “Specification waste oil”

This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. This material, if discarded, should be considered a European non-hazardous waste in accordance with Directive 91/689/EC.

European Waste Catalog Code (EWC-code): 13 02 06

SECTION 14 – TRANSPORTATION INFORMATION

UN Number	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class	Not regulated.
Package Group	Not regulated.
Marine Pollutant	No
Special Precautions	None

SECTION 15 – REGULATORY INFORMATION

-- Global International Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
EEC	All components are in compliance with the EC 7 th Amendment Directive 92/32/EEC.
Canada	All components of this material are DSL listed or are exempt.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

EPA 550-B-01-003 This product does not contain greater than 1.0% of any chemical substances (0.1% for carcinogens) listed on the Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Clean Air Act Section 112(r): EPCRA Section 302 Extremely Hazardous Substances, CERCLA Hazardous Substances, EPCRA Section 313 Toxic Chemicals, CAA 112(r) Regulated Chemicals For Accidental Release Prevention.

SARA 311 Classifications

Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Immediate (Acute) Hazard	No
Delayed (Chronic) Hazard	No

-- State Regulations --

California Proposition 65: Not known to contain any substances listed under Proposition 65, known to the State of California to cause cancer, birth defects or other reproductive harm, in concentrations which would require a warning under the statute.

-- Other / International --

Harmonized Tariff Schedule Number 3403.99.0000

SECTION 16 – OTHER INFORMATION

Label text:

Handling: No special requirements if handled with reasonable care.

First Aid:

Eye: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin: After contact with skin, take off immediately all contaminated clothing, wash immediately with plenty of soap and water.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately.

Fire: In case of fire use dry chemical, carbon dioxide, foam, steam, or water fog.

Spill or Leak: To clean the floor and all objects contaminated by this material use an inert absorbent material.

Prepared By: Daryl Beatty
Date Revised: 06 March 2014
Supersedes: 06 June 2011
Date Prepared: 07 September 2009

The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.