

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 PAG 16K Polyglycol Rotary Compressor Fluid

Product Code: PF-0502, PF-5502, PF-0502DGB

Product Type: Polyether Polyol Lubricant

Recommended use: Rotary Screw Compressor Lubricant

Manufacturer/Supplier: Emergency Spill Information:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703
Technical Information:
Diamond Azul, LLC 979-665-9813

Emergency Spill Information
Reference: PuroLube PAG 16K
PF-0502, PF-5502, PF-0502-DGB
INFOTRAC 1-800-535-5053
24 HOURS/DAY, 7 DAYS/WEEK

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: S3/14, S14, S26, S27/28, S29/35, S36/37, S36/39, S40, S43, S57, S62, S63

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

Component	CAS# EC#	Range % by Wt.
Polyoxyalkylene glycol	Proprietary	70% - 90%
Pentaerythritolester	Proprietary	10% - 30%

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.

Storage: Keep in a cool place away from open flames. Store inside away from extreme temperatures.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None established

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

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

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance	: Clear light blue liquid
Odor	: Mild
Odor Threshold	: Not determined
pH	: 7.0 – 8.0 Typical Method: ASTM D1293
Melting Point / Freezing Point	: Pour Point -46°C (-51°F)
Initial Boiling Point	: Not applicable
Flash Point	: 268°C (515°F) Method: ASTM D92
Evaporation Rate	: Not determined, too low to measure
Flammability	: Not flammable
Upper/Lower Explosive Limits	: Not determined
Vapor Pressure	: ~0 mmHg @ 20°C, about 1 PPM
(0.0008 mmHg) equilibrium vapor pressure in air at 100C. Method: ASTM D5482	
Vapor Density	: Not determined
Specific Gravity	: 0.98 @ 25°C Method: ASTM D1475
Solubility in Water	: approximately 0.7% solubility in water at 60°C
Partition Coefficient	: Not determined Method: ASTM E1147
Autoignition Temperature	: Not determined Method: ASTM E659
Decomposition Temperature	: Not determined Method: ASTM E2550
Viscosity	: 37.5 cSt @ 40°C Method: ASTM D445

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable.

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: Prolonged or repeated contact may cause eye irritation.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: No significant health hazards identified

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 No data available to indicate product or components may be a dermal toxicity hazard.

Inhalation Toxicity No data available to indicate product or components may be a toxic inhalation hazard.

Oral Toxicity No data available to indicate product or components may be an oral toxicity.

Dermal Sensitization No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization No data available to indicate product or components may be respiratory sensitizers.

-- 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 data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

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 --

Ecotoxicity: Not determined.

-- ENVIRONMENTAL FATE --

Persistence and Degradability: >81% 28d OECD301B based upon data from ingredients

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. 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 01 12

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 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 7th Amendment Directive 92/32/EEC.

Canada All components of this material are DSL listed or are exempt.

-- 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 --

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, American Chemical Technologies does not routinely analyze its products for impurities which may be such chemicals.

-- 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 L. Beatty

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Date Translated: N/A

This SDS originated in English. Context errors associated with the translation to other languages are avoided to the best of our ability. If the translation is unclear, please reference the English version.