



# Envirosafe PG Series

## Tech Bulletin

### Application

**Envirosafe PG Series** lubricants are non-aqueous, less flammable hydraulic fluids formulated with high quality polyalkylene glycols and an advanced additive system. These fluids are biodegradable and non-toxic, making them an excellent choice for marine, industrial, mobile, and other heavy equipment. They are recommended for use in hydraulic systems that require a high level of fire resistance, while maintaining a superior level of system performance.

**Envirosafe PG Series** lubricants provide pump and system protection in the form of antiwear protection, shear stability, corrosion protection, foam control, and extended pump life, thereby reducing downtime and maintenance costs. They have very high viscosity indices and low pour points for applicability over a wide temperature range. With their high flash and fire points, the **Envirosafe PG Series** products are more resistant to ignition than petroleum based hydraulic fluids and their lower heat release will reduce the tendency of a fire to propagate if ignition does occur.

### FM Approval

**Envirosafe PG Series** lubricants are approved by FM Global as Less Flammable Industrial Fluids under specification 6930.

### Typical Characteristics

<u>Property</u>	<u>Envirosafe PG 46</u>	<u>Envirosafe PG 68</u>
ISO Viscosity Grade	46	68
Appearance	Clear, Yellow Liquid	Clear, Yellow Liquid
Viscosity, cSt		
at 40°C	46.0	68.0
at 100°C	9.0	12.3
Viscosity Index	180	180
Pour Point, °F (°C)	-50 (-46)	-35 (-37)
Flash Point, COC, °F (°C)	566 (297)	551 (288)
Specific Gravity at 60°F	0.9862	0.9892

**Envirosafe PG Series** lubricants are compatible with Buna and Viton seals.

**Envirosafe PG Series** lubricants are not compatible with other hydraulic fluids including mineral based hydraulic oils, polyol esters, phosphate esters, or water glycols. Please contact your Tribo-Chem, Inc. representative for conversion instructions.

\*(FM Approvals is formerly Factory Mutual Approvals)