

# TEXOL

## Chemical

### Technical Data Sheet

#### Texol PAG™ Series

Polyalkylene glycols, physiologically safe

#### Product Description

Texol PAG™ Series are diol initiated alkoxyated random copolymers of ethylene oxide and propylene oxide, especially developed to meet the special requirements of the food and beverage industries.

It contributes body and flavor for pharmaceuticals and to certain beverages and foods. Because of its sweet but non-cariogenic nature, it is used in “ sugar free “ foods, in dentifrices, and in pharmaceuticals.

ISO Viscosity Grades 32 through 220 are registered under NSF ( National Sanitation Foundation ) as HX-1, Ingredients for use in H1 Lubricants ( incidental food contact ).

#### Applications and Uses

Texol PAG™ Series are used as lubricant base-stocks in dozens of industries where they contribute a variety of performance properties.

Texol PAG™ Series are more soluble in cold water than in hot water, if inverse water solubility is required. An aqueous solution of a PAG Series will have a low surface tension and thus good wetting and penetration characteristics, while also exhibiting low foaming characteristics.

#### Advantages

- TEXOL™ technology
- Odorless and colorless
- Physiologically safe
- No foam formation
- Easily soluble in cold water, hot water
- High aniline point

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#### Typical Properties

Property (Unit)	PAG-32	PAG-46	PAG-55	PAG-220	Method
Density at +15 °C	1255	1259	1259	1256	DIN 51757
Viscosity @40°C, cSt	32.2	46	55.8	223.7	DIN 51550
Viscosity @100°C, cSt	6.02	7.96	9.03	19.1	DIN 51550
ISO Viscosity Grade	32	46	55	220	DIN 51519
Viscosity Index	185	186	186	187	DIN ISO 2909
Flash Point, °C	302	296	296	292	DIN ISO 2592
Pour Point, °C	-48	-45	-40	-38	DIN ISO 3016
Four ball weld load, N	1750	1750	1900	2800	DIN 51350-02
Steel corrosion	0	0	0	0	DIN 51585
FZG test ( A/8.3/90 )			>14		DIN 51354

#### Technical Expertise

Texol experts on PAG™ Series are regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.

#### Product Stewardship

Texol encourages its customers and potential users to review their applications from the standpoint of human health and environmental aspects. To help ensure that Texol products are not used in ways for which they are not intended or tested, Texol personnel will assist customers in dealing with environmental and product safety considerations. Texol literature, including Material Safety Data Sheets (MSDS), should be consulted prior to the use. MSDS are updated regularly, therefore, please request and review the most current MSDS before handling or using any product. MSDS are available from the nearest Texol sales office.