

# TEXOL

## Chemical

### *Technical Data Sheet*

#### **Texol Turbosyn™ FG-S Series**

High performance fully synthetic food machinery compressor lubricant

#### **Product Description**

Texol Turbosyn™ FG-S series are synthetic compressor oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins combined with a high performance additive package, meeting the lubrication requirements of air compressors running in food processing plants.

#### **Customer benefits**

Texol Turbosyn™ FG-S series are based on low volatile, highly oxidation stable synthetic base stock and the very latest additive technology which gives excellent anti-rust, anti-oxidation and anti-wear properties.

Texol Turbosyn™ FG-S series are formulated to ensure good water separation properties, in order to prevent rust and corrosion and water build-up in wet environments.

Because of the oxidation-inhibited synthetic base stock, long service life of Texol Turbosyn™ FG-S without deposit formation is ensured.

Texol Turbosyn™ FG-S meets the requirements for FDA Specification 21 CFR 178.3570 and is listed as H-1 by the USDA.

#### **Applications and Uses**

Texol Turbosyn™ FG-S series are recommended for reciprocating or rotary screw air compressors operating in plants where is a possibility of incidental contact with food following the guidelines established by the FDA and USDA covering such usage. These products are not intended for use as an additive or direct component of food.

In addition to air compressors, Texol Turbosyn™ FG-S may be applied as general purpose lubricant for machinery bearings and in air line oiling systems. Its use throughout a food plant reduces inventory needs and minimizes the possibility of food contamination with non-approved products. These products can also be used for short term corrosion protection and food processing machinery and equipment during shut down.

#### **Health and Safety**

Texol Turbosyn™ FG-S has been formulated to the highest safety standards and is unlikely to present any significant health and safety hazards when used properly in the recommended application, and when good standards of industrial and personal hygiene are maintained. For specific information on environment, health and safety aspects the Material Safety Data Sheet should be consulted.

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#### **Typical Properties**

Property (Unit)	FG-S 32	FG-S 46	FG-S 68	FG-S 100	Method
Density at +15 °C	0.834	0.836	0.840	0.850	ASTM D4052
Viscosity @40°C, cSt	32	46	68	100	ASTM D445
Viscosity @100°C, cSt	6.6	7.7	10.31	18.0	ASTM D445
Viscosity Index	140	136	134	130	ASTM D2270
Flash Point, °C	>245	>245	>240	>240	ASTM D92
Pour Point, °C	<-55	<-55	<-50	<-48	ASTM D97

#### **Technical Expertise**

Texol experts on Texol Turbosyn™ FG-S series lubricants 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.