Supplier - FUNCTIONAL
V-515

Thickener for Fatty Oil Based Lubricants

Typical Properties

Specific Gravity	0.930
Density,lbs/gal	7.75
Flash Point,℃(℉)	150 (300)
Kinematic Viscosity@100℃,cSt	7000 - 9000
Color	Yellow (< 4ASTM)
Biodegradable Content,%wt	85
Std Packaging (NW / GW, Kg)	217.0 / 200.0

Product Description

Triglyceride oils are sometimes to be preferred as base stocks for blending hydraulic fluids and lubricants intended for use in environmentally sensitive applications. A drawback, however, is that they are all of a similar light viscosity, only about 40 cSt at 40°C. **FUNCTIONAL V-515** is a thickener for vegetable-based or animal-based fatty oils, to blend lubricants of ISO 46, ISO 68 or ISO 100 viscosity grade. **Functional V-515** dose not make the lubricant tacky. Use **FUNCTIONAL V-570** or **FUNCTIONAL V-584** where the tackiness is desired. For application requiring higher oxidative stability **FUNCTIONAL V-516** is recommended.

COMPOSITION:

The active additive in **FUNCTIONAL V-515** is a polymer selected for its shear stability and effectiveness in thickening. This polymer component is itself not readily biodegradable, but permits the viscosity adjustment of lubricants from biodegradable base oil systems. The diluent in **FUNCTIONAL V-515** is a biodegradable vegetable oil. **FUNCTIONAL V-515** is biodegradable under all widely used standards.

HANDLING:

While warming **FUNCTIONAL V-515** to about 65°C (150°F) may facilitate pumping and handling, extended storage of this, or any other vegetable oil-derived product, at elevated temperatures is not recommended. Safe handling precautions are the same as those to be taken with vegetable oils; see the current Material Safety Data Sheet.

Applications	Suggested Treat Rates, %
Typical (ISO 46)	2.0 (in Rapeseed Oil)
Typical (ISO 68)	6.0
Typical (ISO 100)	15
Hydraulic Fluids & High-shear Service (ISO 46)	2.5
Hydraulic Fluids & High-shear Service (ISO 68)	7.0
Hydraulic Fluids & High-shear Service (ISO 100)	16