

*Tackifier for Fatty Oil Based Lubricants (Food Grade)*Typical Properties

Specific Gravity	0.930
Density,lbs/gal	7.75
Flash Point,°C(°F)	150 (300)
Kinematic Viscosity@40°C,cSt	2000 - 3000
Thickening Efficiency@40°C(10%in Canola Oil),cSt	55 - 70
Color	Hazy Yellow or Orange
Std Packaging (NW / GW, Kg)	203.0 / 186.0

Product Description

**FUNCTIONAL V-584** is an additive that confers a tack or stringiness to lubricants made from vegetable-based or animal-based fatty oils. Unlike other tackifiers that are effective in fatty oil, **FUNCTIONAL V-584** is registered with NSF as HX-1 category – an additive for lubricants used where incidental food contact may occur. It is principally used to provide adherence in chain oils in environmentally sensitive or food-processing locations. It will also inhibit stray mists and to provide drip resistance.

**COMPOSITION:**

The active ingredient in **FUNCTIONAL V-584** is a polymer that provides tackiness and thickening. This polymer is itself not readily biodegradable, but permits the formulation of tacky lubricants from biodegradable base oil systems. The diluent oil in **FUNCTIONAL V-584** is a biodegradable vegetable oil.

**HANDLING:**

While warming **FUNCTIONAL V-584** to about 50°C (120°F) may facilitate pumping and handling, extended storage of this or any other vegetable oil- derived product at elevated temperatures is not recommended. For best tackiness retention, do not warm above about 65°C (150°F). Safe handling precautions are the same as those to be taken with vegetable oils; see the current MSDS. The tackiness of products made from any tackifier may be somewhat lessened by shear, so mechanical shearing during blending and handling should be minimized. **FUNCTIONAL V-584** may separate slightly upon standing. To maintain integrity of the product, mix well before using.

**Applications**

Vegetable Oil  
Vegetable Oil to ISO 46  
Vegetable Oil to ISO 68

**Suggested Treat Rates, %wt**

≥ 1  
5  
10

Print date: 30-08-25

**Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.