Supplier - FUNCTIONAL

V-584

Tackifier for Fatty Oil Based Lubricants (Food Grade)

Tackifiers

Typical Properties

Specific Gravity 0.930 Density,lbs/gal 7.75 Flash Point, $^{\circ}$ C($^{\circ}$ F) 150 (300) Kinematic Viscosity@40 $^{\circ}$ C,cSt 2000 - 3000 Thickening Efficiency@40 $^{\circ}$ C(10%in Canola Oil),cSt 55 - 70 Color Hazy Yellow or Orange

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.

<u>Applications</u>	<u>Suggested Treat Rates, %wt</u>
Vegetable Oil	≥ 1
Vegetable Oil to ISO 46	5
Vegetable Oil to ISO 68	10

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