

Supplier - FUNCTIONAL

V-584

Tackifiers

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: 02-05-24

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