

### V-422

#### TACKIFIER for FOOD GRADE LUBRICANTS

#### APPLICATION:

**V-422** is an additive that confers a tack or stringiness to a lubricant. It is used to provide adherence in fluid lubricants and stringiness in greases. **V-422** is NSF approved (120906, HX-1, HX-2). For non-food-grade applications, we recommend **FUNCTIONAL V-178**, or, where superior thermal and shear stability are needed, **FUNCTIONAL V-188**.

#### COMPOSITION:

The active polymeric ingredient in **V-422** is polyisobutylene. The diluent oil is a food grade white mineral oil.

Typical properties	
Specific Gravity	0.84
Lbs per Gallon	7.00
Flash Point (COC)	150°C (300°F)
Kinematic Viscosity	2,300-3,800 cSt at 100°C
Appearance	Clear and colorless

#### TREATMENT LEVEL:

Typical treatment levels are 0.5-1.5% in fluid lubricants and up to 2.5% in greases, where shear and high temperatures may be encountered during processing. Since tackiness and stringiness are subjective properties that lack standardized test methods and since like other polyisobutylene tackifiers, **V-422** is subject to degradation by shear and heat. The required treatment level is best determined by experimentation by the user.

#### HANDLING:

Due to the viscosity of **V-422**, elevated temperature (approximately 150°F) can facilitate handling. Temperatures over about 200°F may lead to degradation of tackiness and viscosity. In greases, we recommend adding **V-422** last, to minimize shear degradation during milling. Safe handling precautions are the same as those to be taken with the base oil; see the current Safety Data Sheet.



Nonfood Compounds  
Program Listed  
Category Codes: HX-1 and HX-2  
Registration No. **120906**

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

Issued: 1/31/2014