

FUNCTIONAL V-498

TACKIFIER FOR FOOD GRADE LUBRICANTS AND GREASES

APPLICATION:

FUNCTIONAL V-498 is an additive that confers a tack or stringiness to a lubricant. Its extremely light color makes it especially useful in spindle lubricants for textile machinery. It may also be used to provide adherence in way oils and chain lubricants, stringiness in greases, and aerosol resistance in mist and pneumatic-system lubricants. The ingredients in **FUNCTIONAL V-498** are listed as suitable for H-1 lubricants that are used in food-processing plants where incidental food contact is possible.

COMPOSITION:

The active polymeric ingredient in **FUNCTIONAL V-498** is a poly-isobutylene long-used in tackifiers. The diluent oil in **FUNCTIONAL V-498** is al white oil. Both ingredients are non-hazardous, and are listed as suitable for use in lubricants with incidental food contact (21 CFR 178.3570).

Typical properties	
Specific Gravity	0.86
Lbs per Gallon	7.10 - 7.25
Flash Point	135°C (275°F)
Kinematic Viscosity	3,000-5,000 cSt at 100°C
Color	Typical: water white Maximum: < 1.0 ASTM color

TREATMENT LEVEL:

A starting treatment level for spindle oil is 0.1% to 0.5%; for a way lube is 0.25%; for chain lubes the treatment range is 0.25% to 1.0%. Minimization of hydrocarbon aerosol escape from mist-lubricated and pneumatic equipment requires about 0.5% in the mist oil. The best treatment level for greases is left to the formulator. Since there are no standardized test methods for tackiness, the required treatment level is best determined by experimentation by the user.

HANDLING:

Due to the viscosity of **FUNCTIONAL V-498**, elevated temperature (about 150°F or 65°C) can facilitate handling, but temperatures over 200°F (95°C) should be avoided. Safe handling precautions are the same as those to be taken with the base oil; see the current Material Safety Data Sheet. Lubricants using **FUNCTIONAL V-498** are sensitive to shear, so mechanical shearing during blending and handling should be minimized. Where moderate shear is encountered, **FUNCTIONAL V-422** is recommended instead.



Nonfood Compounds
Program Listed
Category Codes: HX-1 and HX-2
Registration No. **133062**

This Technical Data Sheet and the Material 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.

5/7/2008