

FUNCTIONAL V-189A **TACKIFIER AND ANTIMISTING ADDITIVE**

APPLICATION:

FUNCTIONAL V-189A is an additive that confers a tack or stringiness to a lubricant. It may be used to provide adherence in way oils and chain lubricants, stringiness in greases, and aerosol resistance in mist and pneumatic system lubricants. **FUNCTIONAL V-189A** is a version of **FUNCTIONAL V-188** that has been diluted for lower viscosity and easier handling to permit tank side addition.

COMPOSITION:

The active polymeric ingredient in **FUNCTIONAL V-189A** is a thermally stable, shear stable polyolefin. The diluent oil in **FUNCTIONAL V-189A** is light colored paraffinic oil that does not require hazard labeling.

Typical Properties	
Specific Gravity	0.86
Lbs per Gallon	7.16
Flash Point	135°C (275°F)
Kinematic Viscosity	900 – 1700 cSt at 100°C
Color	yellow-orange (<4 ASTM)

TREATMENT LEVEL:

A starting treatment level for a way lube is 1.0%. For chain lubes the treatment range is 1.0% for moderate temperatures to 3.0% for high temperatures. Minimization of hydrocarbon aerosol escape from mist-lubricated and pneumatic equipment requires about 2.0% in the mist oil. Since there are no standardized test methods for these properties, the required treatment level is best determined by experimentation by the user.

HANDLING:

Due to the low viscosity of **FUNCTIONAL V-189A**, it should not be necessary to heat to elevated temperature in handling and storage. **FUNCTIONAL V-189A** is thermally stable. Safe handling precautions are the same as those to be taken with the base oil; see the current MSDS. Although **FUNCTIONAL V-189A** is more shear stable than some other tackifiers, the tackiness of the resulting lubricant can be lessened by shearing, so mechanical shearing during blending and handling should be minimized.

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.

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