

FUNCTIONAL PD-555C

CONCENTRATED COLD-FLOW IMPROVER for VEGETABLE-OIL-BASED LUBRICANTS

APPLICATION:

FUNCTIONAL PD-555C is a concentrated wax-crystal modifier. Its primary use is in improving the cold-flow properties of vegetable-oil-based lubricants at temperatures below their cloud points. It is effective under both rapid-cooling conditions and extended cold storage conditions. **FUNCTIONAL PD-555C** is effective in hydraulic fluids, chain saw oils, pneumatic-tool lubricants, and other lubricants made from canola oil, soybean oil, or other triglyceride oils.

COMPOSITION:

The active components in **FUNCTIONAL PD-555C** are a proprietary mixture of copolymers. Due to the large percentage of biodegradable diluents available to the end user, products made using **FUNCTIONAL PD-555C** can be classified as readily biodegradable.

Typical properties	
Appearance	Colorless to light yellow liquid
Odor	Mild
Specific Gravity	0.93
Lbs per Gallon	7.75
Flash Point	150°C (300°F), min.
Kinematic Viscosity	300 cSt at 100°C

TREATMENT LEVEL:

To reduce the pour point of canola, soybean, or other low-saturate triglyceride oil to below -21°C and for stability in extended storage at -21°C a treatment of 0.5 to 1.0% is usually sufficient. Since the responsiveness of triglyceride oils to wax-crystal modifiers is extremely variable the user must determine the most appropriate treatment level.

HANDLING:

Any convenient technique may be used for blending. Because of its low viscosity, **Functional PD-555C** can be easily pumped. Store in a cool, dry area preferably indoors. See the current Safety Data Sheet.

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.

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