

FUNCTIONAL BC-15

Bar and Chain Oil Additive Package for Vegetable Oils

APPLICATION:

FUNCTIONAL BC-15 is an additive package used for preparing readily biodegradable bar and chain oils when combined with a suitable viscosity modifier and a vegetable base oil. **FUNCTIONAL BC-15** provides oxidation inhibition, EP/antiwear activity, ferrous corrosion protection and tackiness to the oil. A high-oleic soybean or canola oil should be used for improved oxidation resistance.

COMPOSITION:

FUNCTIONAL BC-15 is a mixture of oxidation inhibitors, EP/anti-wear agents, corrosion inhibitor and pour point depressant designed to give optimum performance in vegetable oils. The formulation does not contain metals.

Typical properties	
Appearance	Dark liquid
Odor	Mild
Sulfur	4.5
Specific Gravity	0.96
Lbs. per Gallon	8.0
Flash Point	204°C (400°F)
Kinematic Viscosity	230 cSt at 40°C

TREATMENT LEVEL:

FUNCTIONAL BC-15 is recommended at a treat level of 2.5 - 3.8% in a suitable biodegradable base oil to produce a bar and chain oil. (For a more economic bar and chain oil, we recommend Functional V-515 thickener plus V-584 tackifier and vegetable oil.) The viscosity of the finished bar and chain oil may be raised to any ISO grade by the addition of a suitable thickener such as **FUNCTIONAL V-515** or **V-521**.

Thickener	ISO 100 Grade	ISO 150 Grade
V-515	10.0%	15.0%
V-521	12.0%	20.0%

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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FUNCTIONAL PRODUCTS INC.

Innovative Chemistry for Lubricants

Technical Data Sheet

HANDLING:

Review the current Safety Data Sheet before use. Product should be stored indoors under ambient conditions.

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