

FUNCTIONAL EVO-530 summer Biodegradable Emulsifier Package for Vegetable Oil

APPLICATION:

FUNCTIONAL EVO-530 summer is a biodegradable, emulsifier package specifically engineered to produce a stable, homogeneous vegetable oil emulsion. EVO-530 summer also contains oxidation inhibitors, antiwear agents and a proprietary pour point depressant for enhanced performance. Vegetable oil emulsions made with Functional EVO-530 summer have a pour point of -10°C and remain stable after many freeze/thaw cycles. Emulsions made with EVO-530 summer can be used as release coatings, lubricants, metalworking fluids, etc.

COMPOSITION:

FUNCTIONAL EVO-530 summer is a biodegradable surfactant blend containing oxidation inhibitors, antiwear agents and a proprietary pour point depressant.

Typical Properties	
Appearance	Amber liquid
Odor	Mild
Specific Gravity	0.90
Lbs per Gallon	7.5
Flash Point	>150°C (300°F)
Kinematic Viscosity	10 - 25 cSt at 100°C
solubility in vegetable oil	Soluble
solubility in water	Dispersible

TREATMENT LEVEL:

A recommended treatment level for **Functional EVO-530 summer** is 10-40% in a vegetable base oil. Tank side addition is recommended. Blend EVO-530 summer, vegetable oil and water thoroughly with appropriate mixing action. The amount of water added can be varied depending on the application. A treatment level of at least 15% in the vegetable oil is recommended when emulsifying greater than 50% water. Only gentle agitation is required if emulsion separation is observed. The products performance is not affected.

A formulation recommended to obtain a pour point of -10°C is:

Functional EVO-530 summer	20%
Canola Oil	30%
Water	50%

HANDLING: Not hazardous under conditions of normal use. Store in a cool, dry area.

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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