

FUNCTIONAL EVO-3

Biodegradable Emulsifier Package for High Oleic Vegetable Oil

APPLICATION:

FUNCTIONAL EVO-3 is a biodegradable non-ionic emulsifier package specifically engineered to produce a white homogeneous vegetable oil emulsion when mixed with water. **EVO-3** is a Green product with low BOD/COD and a minimal environmental footprint. Vegetable oil (high oleic canola oil, for example) emulsions made with **Functional EVO-3** are resistant to water hardness and pH changes. Emulsions made with EVO-3 can be used as release coatings, lubricants, and barrier coatings.

COMPOSITION:

FUNCTIONAL EVO-3 is a biodegradable non-ionic surfactant blend.

Typical Properties	
Appearance	Amber liquid
Clarity	Clear
Odor	Mild
Specific Gravity	0.91
Lbs per Gallon	8.0
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-3** is 10-20% in a vegetable base oil. Blend **EVO-3** and vegetable oil thoroughly with appropriate mixing action. This concentrate can be added to water in various concentrations depending on the application. The emulsion can be modified with triethanolamine (TEA) or other suitable base for added bio-resistance

HANDLING:

FUNCTIONAL EVO-3 is not hazardous under conditions of normal use; see the material safety data sheet.

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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