



SPAKESTER-2340 (Emulsifier for Vegetable Oil)

Spak Orgochem now offers a very efficient single-component emulsifier called SPAKESTER-2340 for Vegetable oil/Mineral oil formulations. The product is from vegetable oil origin and is non-toxic & bio-degradable in nature. This gives it an advantage over emulsifiers based on Nonyl Phenol/ Octyl phenol ethoxylates.

SPAKESTER-2340 is an oil soluble emulsifier as well as strong lubricity agent for metal working fluids. It gives a very low foaming emulsion and also reduces the amount of Antifoam required in the formulation. The product is designed to enhance the metalworking properties of vegetable oil-based lubricants.

SPAKESTER-2340 has a positive effect on corrosion inhibition. However, a suitable rust inhibitor is recommended when formulating metal working fluids.

Specifications

Parameters	Specifications
Appearance @ 20°C	Clear Liquid
Colour in Gardner	12 Max.
Acid Value	20 Max (10-14 typical)
Solubility (20% in Vegetable Oil)	Clear & No Separation
Emulsion (5% of the oil solution in DI water)	Stable

General product data:

The product will also has following properties

- Density @ 20°C.: app. 0.93 g/ml
- Refractive index n 20/D: app. 1.472
- Solidification point: <-10°C.
- pH value (2% in DI water): 6-8
- Flash point: app. 278°C.
- Ignition point: app. 370°C.

Applications:

- Vegetable oil based Metal working fluids
- Emulsion Hydraulic fluids
- Emulsifier for Trimethylolpropane & other polyol Esters (TMP Oleate, TMP caprylate)