

Technical Data Sheet

Synergex™ T Plus

Applications

- Lubricants

Key Attributes

- Completely water soluble
- Enhanced emulsion stability
- Excellent HES profiles
- Low odor, low volatility and high flash point
- Outstanding corrosion inhibition properties
- Outstanding coupling agent

Product Description

Synergex™ T Plus is available as a colorless to light yellow liquid with no odor.

This excellent multi-purpose tertiary amine additive offers very low vapor pressure and ideal partition properties. The partition coefficient of Synergex™ T Plus between 100 SUS Naphthenic oil and water insures that this valuable additive is present and active within both phases of an oil/water emulsion. Synergex™ T Plus is the ideal neutralizing additive for emulsion and pH stability. Fluids formulated with Synergex™ T Plus amine additive provide stable performance for extended periods of time.

The Synergex product line, which includes Synergex™, Synergex™ T and Synergex™ T Plus, greatly enhance the performance of metal working fluid coolants, providing excellent corrosion protection, coupling performance and extended fluid line.

Designed to meet the specific demands of the metalworking fluid market, the Synergex range comprises products that provide extended fluid life, offer enhanced lubricity, have low odor and are harmless. Eastman delivers several amine additives to the power transfer and functional fluid markets, enabling the formulation of products with stable pH throughout the working life of the fluid.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	217 g/mol
Boiling Point	>330 °C
Density	
@ 20°C	0.93 g/cm ³
Dissociation constant, pKa	
@ 20°C	8.7
Flash Point	
Closed Cup	>148 °C
Freezing Point	<-30 °C
Octanol-water partition coefficient, log Pow	
(pH 9)	1
Solubility in Water	0.1 %
Vapor Pressure	
@ 20°C	<0.000001 torr

Packaging

- Bulk
- Steel drums (180 kg net)

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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