

Technical Data Sheet

Synergex™

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™ is available as a colorless to light yellow liquid with a slight odor.

This low-odor N-alkylalkanolamine is ideal for use as a neutralizing agent in semi-synthetic and full-synthetic emulsion lubricants.

With excellent biological and colloid stabilizing properties, Synergex™ allows for markedly extended fluid life with the best balance of benefit/cost available.

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	117.2 g/mol
Autoignition Temperature	300 °C
Boiling Point	197.7 °C
Coefficient of cubical expansion	0.001/ °C
Density	
@ 20°C	0.89 g/cm ³
Dielectric Constant	3.32
Dissociation constant, pKa	
@ 25°C	9.7
Flash Point	
Closed Cup	97.5 °C
Freezing Point	-2.5 °C
Octanol-water partition coefficient, log Pow	0.64
Refractive Index	
@ 20°C	1.445-1.446
Vapor Density	
(air = 1)	3.6

Vapor Pressure @ 20°C	0.1394 hPa
Viscosity	19.7 mPa·s
Water solubility	Miscible

Packaging

- Bulk
- Plastic drums (180 kg net)
- IBC containers (815 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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