



PRODUCT DATA SHEET

ECONO-DE135

Nonionic Non-emulsifier

DESCRIPTION

ECONO-DE135 is a broad spectrum, oil soluble nonionic non-emulsifier designed for application in acidizing, fracturing and well clean out operations. The product effectively breaks water blocks and prevents or removes hydrocarbon in water/brine or acid emulsions. **ECONO-DE135** functions by reducing the interfacial tension between aqueous and hydrocarbon phases of the treating system. The product has proven to have broad spectrum performance in a wide variety of crudes. **ECONO-DE135** may also be used in the spearhead acidizing and fracturing treatments to lower the break down pressures and minimize the possibility of forming water or acid/oil emulsions.

PHYSICAL PROPERTIES

Item	Specifications
Specific Gravity	0.947
Ionic Charge	Nonionic
Solubility in Water	Dispersible
Solubility in Diesel	Soluble
Appearance	Clear, yellow liquid
Odor	Solvent
Flash Point	104°F
Pour Point	<-50°F

CHEMICAL DESCRIPTION

ECONO-DE135 contains nonionic surfactants and emulsion breakers in a hydrocarbon based medium.

RECOMMENDED USES

ECONO-DE135 is typically applied at load rates of 2 to 5 gallons per thousand gallons of fluid. When applied in matrix squeeze treatments **ECONO-DE135** is mixed with water brine or alcohol at a load rate of 1 to 2 gallons per 50 gallons. Specific load rates vary according to the type of treatment being performed, emulsifying characteristics of



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the oil encountered in the formation, the treating fluid and the quantity of solids generated during acidizing. Pilot testing is recommended with the test fluids to determine the optimum usage rates for specific treatments.

LIMITATIONS

No particular limitations are known for the use of this product

AVAILABILITY

ECONO-DE135 is available from Economy Polymers and Chemicals in Houston, Texas

PACKAGING

ECONO-DE135 is obtainable in 55 gallon poly drums, 264 & 317 gallon poly totes and bulk storage.

DOT information: UN 1993, Flammable Liquid, N.O.S (Contains Aromatic Naptha), 3, III

Please read and understand the Material Safety Data Sheet (MSDS) before using this product.

This information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer any warranty against patent infringement.



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