



PRODUCT FEATURES

- * Broad Spectrum Nonionic Non-Emulsifier
- * Compatible With Most Additives
- * For Acidizing And Fracturing Treatments
- * Prevents/Resolves Acid In Oil Emulsions

DESCRIPTION

NE-320 is a nonionic acid non-emulsifier designed for application in acidizing and fracturing operations. The product effectively breaks water blocks and prevents or removes crude oil in water or acid emulsions. **NE-320** functions by reducing the interfacial tension between brines or acid and crude oils. The product has proven to have broad spectrum performance in a wide variety of crudes throughout North America. **NE-320** may also be used in the spearhead of acidizing and fracturing treatments to lower the break down pressures and minimize the possibility of forming water or acid/oil emulsions.

RECOMMENDED APPLICATION

In acidizing treatments **NE-320** is typically applied to the acid during loading operations at rates of 2 to 5 gallons per thousand gallons of acid. When applied in matrix squeeze treatments **NE-320** is mixed in water brine or alcohol at a load rate of 1 to 2 gallons per barrel of fluid.

Specific load rates vary according to the type of treatment being performed, emulsifying characteristics of 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.

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TYPICAL PHYSICAL PROPERTIES

Form, 70°F	Light Yellow Liquid
Density, lbs/gallon	7.89
Pour Point, °F	-30
pH, (10% Solution)	6.5 – 7.5
Solubility	
Fresh Water	Soluble
15 % HCl	Soluble
Hydrocarbon	Dispersible
Ionic Charge	Nonionic

STORAGE AND HANDLING

NE-320 is available in 55 gallon drums, tote tanks and bulk tank wagons. As with any industrial chemical, keep out of reach of children and avoid prolonged contact with skin and eyes. In case of skin or eye contact, flush the exposed area with copious amounts of water. A material safety data sheet outlining proper handling of this product is available upon request, or will be forwarded upon the purchase of the product.

SHIPPING INFORMATION

All Containers:
Flammable Liquid, N.O.S, 3, UN-1993, PG III
(Contains Isopropanol Solution)