

PRODUCT DESCRIPTION

ADE1400 is a new generation of combined demulsifier and anti-foulant chemistry optimized with high activity to work exceptionally well for breaking flow back foulant laden wax emulsions. This demulsifier is water soluble but has components which partition into the oil phase effectively breaking out the foulants, solids and asphaltenes which stabilize emulsions. The anti-foulant component will scavenge the iron and calcium forming a water soluble complex which will not re-precipitate. They improve the oil water separation and water clarity. When conventional demulsifiers fail the ADE1400 often works!

APPLICATION AND USAGE

The ADE1400 demulsifier has proven to be very effective in breaking foulant laden wax emulsions. Often emulsions are stabilized by the presence of hydrated paraffin wax crystallization, asphaltene flocculation, oil wet solids (corrosion, mineral scale and formation fines). By reducing the interfacial tension and changing the wetting of solids - emulsions are broken and foulants are dropped into the interface and brine.

Typical treating rates vary from 100 – 500 ppm, depending upon the severity of the emulsions and type of treating system and conditions. The most effective treatment rates should be determined by onsite BS&W testing.

PHYSICAL PROPERTIES

Appearance : Clear Light Amber
Specific Gravity : 1.0 g/ml @ 25°C
Pour Point : - 40°C

Flash Point : 46°C
pH Factor : 1 - 2
Solubility : Water

HANDLING AND STORAGE

Proper PPE is recommended when handling. Consult MSDS prior to handling. Please check for compatibility prior to blending with other chemicals including neutralizing agents.

Store ADE1400 in a cool dry place.

AVAILABILITY

ADE1400 is available in bulk or drum quantities.