

DESCRIPTION

SS-43 is a very effective blend of oil soluble surfactants that has been shown to break water blocks and remove crude oil emulsions. The ability to remove such flow restrictions is attributed to the very low interfacial tension and film viscosity between the aqueous phase and the oil treated with **SS-43**.

APPLICATION

SS-43 is added at 0.25 to 5% by volume of carrier fluid (crude oil, diesel, kerosene etc) but the most common ratio is 1 gal per two barrels of oil. This quantity is often recommended for treating one foot of formation. It is advisable to check the concentration of **SS-43** to be used by running emulsion tests with the formation water and/or invading water and the formation oil/carrier oil and varying the concentration of **SS-43**.

The preferred oil carriers are aromatic solvents which will assist the operation by dissolving any paraffin or asphaltic deposits which may be stabilising the emulsions. If lease crude is to be used, it must be clean, i.e. contain no water, solids or precipitated materials. **SS-43** should be mixed thoroughly with the carrier fluid before pumping begins. If the mix has been standing for some hours, it is good practice to remix the tank before use.

Interfacial tension data - dynes/cm between API brine and purified kerosene

Product	Additive Volume			
	0.1%	0.01%	0.001%	0.0%
Hyflo III*	<1.0	9.8	32.9	44.0
SS-43	<1.0	8.0	30.5	44.0

* Halliburton equivalent

PHYSICAL PROPERTIES

S.G. at 16°C	0.90 - 0.97
Flash point	Min. 23°C (PMCC)
Pour point	Below -30°C
Viscosity at 38°C	Approx. 11 cSt
Ionic nature	Anionic

PACKAGING

Supplied in 200L UN standard steel drums

ADDITIONAL INFORMATION

None