

INFORMATION

OIL AID-NE-223

NONIONIC SURFACTANT

DESCRIPTION

OIL AID-NE-223 is a highly effective nonionic non-emulsifier that is compatible with most fluid systems. Its typical properties are:

Color	Yellow to light amber color
Odor	Hydrocarbon
Specific Gravity at 60° F	0.96
Density	8.0 lbs/gal
Pour Point	-60° F
Flash Point, TCC	149° F
Viscosity @ 60° F	5.4 cps
pH (in 20% solution)	12
Charge	Nonionic

APPLICATION

OIL AID-NE-223 is a highly effective non-emulsifier designed for use in HCl acid systems (up to 28%HCl), and water based fracturing fluids. In actual field application, OIL AID-NE-223 has been found to provide the same efficiency at equal to lesser concentrations than many products now commercially available. However, OIL AID-NE-223 is compatible with a wide range of fluid systems, especially those containing clay control chemicals because it is essentially nonionic in character.

RECOMMENDED TREATMENT

As with any product of this type, tests should be run with OIL AID-NE-223 and the specific crude to determine the most effective dosage. However, dosages will generally be in the range of 0.5 to 10.0 gallons of OIL AID-NE-223 per 1000 gallons of treating fluid. OIL AID-NE-223 can be added directly to the fluids prior to use or can be added continuously as the treating fluid is being pumped downhole.

HANDLING

OILAIID-NE-223 may cause irritation to skin and eyes, therefore, contact with eyes and skin should be avoided. Wear goggles or face shield when handling. Avoid prolonged or repeated breathing of vapor. Use with adequate ventilation. Do not take internally. Keep away from heat and open flame.

Keep container closed when not in use. In case of contact, wash skin with soap and water; for eyes, immediately flush with large amounts of water for at least 15 minutes, and get medical attention.

Remove contaminated clothing and wash before reuse.

PACKAGING

OILAIID-NE-223 is available in 55 gallon non-returnable steel drums, FOB Messina's Houston warehouse.

OILAIID-NE-223 is a Messina trademark