



Technical Data Sheet

EX-23 Plus

Product Description

EX-23 PLUS is a highly concentrated emulsifier for creating an extremely stable hydrocarbon in water emulsion. The internal hydrocarbon phase is emulsified in the external water phase to create a very unique direct emulsion with numerous advantages and benefits. The internal hydrocarbon phase is typically 50%-80% by volume. EX-23 PLUS is highly effective in emulsifying a broad range of hydrocarbons such as diesel, crude oils, esters, mineral oils and various olefins into the external water phase which may consist of fresh water to high density brines

Applications:

emulsification of oil into water to lower density's of fresh water or brine.

Treatments:

For the initial system, typically use 7 to 9 lbs./bbl. directly into the system depending on your desired properties. For high temperature applications (greater than 300°F) may require 10 to 12 lbs./bbl. Daily treatment typically require 0.25 to 1.5 lb./bbl.

KEY BENEFITS

- 20 - 70% by volume hydrocarbon in the internal phase.
- Provides superior yield point and low gel strengths
- Yield points can be controlled by adding oil or water during drilling.
- Emulsion remains constant with little to no separation.
- Improves lubricity

Key Properties

Color	Light amber to white
Physical Form	Liquid
Sg	1.04 - 1.08
pH	8.4 - 8.7
Solubility in water	Soluble
Packaging	Drum/Totes