CONTINENTAL Chemical USA

Con- Surf EF

Surfactant / Flowback Aid

Technical Data Sheet

Product Overview

Con-Surf EF is an environmentally responsible, water-based proprietary surfactant blend that is used as a flowback aid in stimulation treatments. Flowback aids are usually surfactants or co-solvents added to stimulation treatments to reduce capillary pressure and water blocks. Flowback aids are critical in both moderate permeability reservoirs (oil) and low permeability reservoirs (gas). Flowback of the fracturing fluid is improved by reducing the capillary pressure of the fluid in the fracture region, thus reducing the drawdown to produce hydrocarbon.

Recommended Application

- Con-Surf EF is generally added to stimulation fluids at concentrations of 2 gpt (gallons per thousand).
- Compatibility testing is strongly recommended.

Features & Benefits

- Environmentally acceptable.
- Easy on-site addition.
- Non-fluorocarbon based.
- Effective at low concentrations.
- Extremely cost-effective.
- Soluble in fresh water, sea water, and most brines.
- Long shelf life.

Shipping, Handling and Storage

- Refer to MSDS for latest and most up-to-date shipping, handling, and storage information.

Safety and Environmental

- Refer to MSDS for latest and most up-to-date safety and environmental information. Observe normal handling and safety precautions for industrial chemicals.

Typical Properties

Specific Gravity @ 68°F (20℃)	1.00
Flash Point, (PMCC)	>200°F (93°C)
Pour Point	20°F (-6.6°C)
Viscosity, cPs @ 75°F (23.9°C)	3.84
pH, neat	4.0 – 9.0

* For most current data, please refer to MSD Sheet.

Core Flow Test Data and Product Properties

Core Flow Testing – Brine Return Permeability	Results
Base Line Permeability, mD	6.022
Return Permeability, mD	6.472
Retained, %	100

Core Flow Testing – Nitrogen Return Permeability	Results
Base Line Permeability, mD	4.188
Return Permeability, mD	11.962
Retained, %	285.6
Contact Angle (Capillary Tube)	~80°
Surface Tension, mN/m	24.5

To buy this product or obtain additional technical information please contact us.

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