

Fastbreak

Technical Data Sheet

FastBreak meets or exceeds the EPA's Designed for the Environment (DfE) criteria. FastBreak is a non-ionic de-mulsifying system that will dramatically reduce interfacial tension between hydrocarbons and water thus allowing rapid coalescence and separation for the improvement of the separated hydrocarbon.

FastBreak is a synergistic blend of "green" intermediates which outperform single component formulations. FastBreak effectively targets primary emulsifying agents thus allowing thinly dispersed water droplets to coalesce upon contact.

FEATURES AND BENEFITS:

- Effectively replaces nonylphenols, alkylaryl sulfonates and DDBSa's
- Immediately active coalescence between hydrocarbons and water
- 100% biodegradable in 10 days or less
- EPA approved Designed for the Environment surfactant system
- 100% water soluble
- Made with 100% Cleangredients

TYPICAL PHYSICAL PROPERTIES:

% Active:	17
Cloud Point, °C:	-9
Specific Gravity	.98
Draves Wetting, sec @ 25°C:	2.0
Flash Point, PMCC, °C:	N/D
Form @ 25°C:	Liquid
Freeze Point, °C:	-02
Interfacial Tension:	4.66
Surface Tension, mN/m:	28
Viscosity, cps @ 25°C:	77
RVOC, U.S. EPA %:	0

DIRECTIONS FOR USE:

Use 1/2 to 1 gallon of FastBreak per one thousand gallons of water for frac procedures. FastBreak is compatible with most biocides, friction reducers and scale inhibitors. It is always recommended to performance test the compatibility of all frac fluids prior to use. FastBreak is compatible with Oil Safe AR® and other Heartland Energy Group, Ltd. chemistries. Jar testing is always recommended.

STORAGE AND HANDLING:

Rinse empty container with water and discard as per federal, state and local guidelines.

PACKAGING:

Fastbreak is packaged in 5 gallon to 275 gallon containers. Bulk quantities are available upon request.



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