

ME-404S Micellar Additive-Stimulation

Description ME-404S is a biodegradable, thermodynamically stable microemulsion (clear mixture of solvent, co-solvent and surfactant) designed specifically for use as stimulation additive. ME-404S offers superior performance in reducing breakdown pressures, enhancing the penetration and cleanup of acid treatments and aiding in the flowback of water based frac fluids.

Properties	Form:	Liquid	Chemical Family:	Proprietary
	Color:	Clear to Opaque	Solubility:	Acid, Water, Brines
	Odor:	Alcoholic	Weight:	7.837 lb/gal
	Charge:	Nonionic	Flash Point:	77°F (25°C)

Application As a breakdown fluid, use ME-404S at 20 gal/Mgal. To insure the tubulars are clean, circulate the fluid containing ME-404S until the tubing is clean. Apply the 20gal/1000 gallons MA-404S ahead of the treatment fluid and break down as usual. For stimulation treatments, ME-404S should be applied at approximately 5 gal/Mgal in the acid or frac fluid.

Compatibility ME-404S is generally compatible with cationic, anionic and amphoteric additives. A compatibility test is advised before use with other surfactants.

Handling ME-404S is a flammable liquid. Store away from heat, sparks and open flame. Keep drum sealed to avoid contamination. ME-404S may cause eye, skin and respiratory tract irritation by contact with the liquid or vapors. Do not breathe vapors, especially in confined areas. Use with adequate ventilation. Recommend use of splash goggles and rubber gloves. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging ME-404S is available in 55 gal poly drums, 330 gal bulk tanks, or bulk transport loads.