

## **PRODUCT DESCRIPTION**

MA-842 is a patent pending, biodegradable, thermodynamically stable micro-emulsion (clear mixture of solvent, co-solvent and surfactant) designed specifically for use as a remedial well treatment fluid. MA-842 offers superior performance in the removal of near well bore problems such as paraffins, asphaltenes, heavy hydrocarbon buildup, emulsions, fines, frac fluids and water blocks.

## **RECOMMENDED APPLICATION**

For remedial well treatments, MA-842 should be used at 20 gal/1000 gal. In a typical application, inject 100-200 gallons per foot of zone into the near well bore area. For example; for a 20 ft. zone inject 2000 to 4000 gal of 20 gal/1000 gal MA-842. Allow to soak for approximately 24 hours and flow or swab back. For fracture clean-up, inject under the frac gradient and soak for 24 hours and swab or flow back. If the formation is 140°F or hotter it is advisable to heat the fluid to accelerate the clean-up process.

## **COMPATIBILITY**

MA-842 is generally compatible with cationic, anionic and amphoteric additives. A compatibility test is advised before use with other surfactants.

## **TYPICAL PHYSICAL PROPERTIES**

Form:	Liquid
Chemical Family:	Proprietary
Color:	Clear, colorless
Solubility:	Water, Acid, Brine
Odor:	Slight Evergreen
Wt. per Gal.:	7.837 lbs.
Charge:	Nonionic
Flash Point:	77 <sup>0</sup> F (25°C)

## **HANDLING/STORAGE**

MA-842 is a flammable liquid. Keep drum tightly sealed to avoid contamination. MA-842 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 the Material Safety Data Sheet (MSDS) for handling and hazard data.

## **PACKAGING**

MA-842 is available in 55 gallon drums, 360 gallon bulk tanks or bulk transport loads.

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