
PRODUCT DESCRIPTION

MAD-2 is a patent pending microemulsion (clear mixture of solvent, cosolvent and surfactant) product designed specifically for use as a drilling and stimulation additive. MAD-2 is a more foam compatible version of MAD-1. MAD-2 offers superior performance when used with compatible foaming agents.

RECOMMENDED APPLICATION

For foam drilling applications MAD-2 should be added at a rate of 0.7 to 7 ppb.

COMPATIBILITY

MAD-2 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 to opaque
Solubility:	Water and brines
Odor:	Citrus
Wt. per Gal.:	8.81 lb
Charge:	Nonionic
Flash Point:	89°F (31.7°C)

HANDLING/STORAGE

MAD-2 is a flammable liquid. Keep away from heat, sparks and open flames. Keep drum tightly sealed to avoid contamination. MAD-2 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 for more detailed information.

PACKAGING

MAD-2 is shipped in 55 gallon drums and 330 gallon tote tanks.

PATENT 7,380,606