

## INFORMATION

# OIL AID-MS-5

MUTUAL SOLVENT

### DESCRIPTION

OIL AID-MS-5 is a mutual solvent for acid in workover and stimulation treatments for oil and gas wells, as well as injection and disposal wells. It possesses unique properties not found in other mutual solvents. OIL AID-MS-5 contains no EGMBE, is run at low concentrations compared to many other products used in the industry, reduces surface tension, and helps restore production capacity in oil wells and injectivity in injection wells. The typical properties are:

Form	Clear to Straw Liquid
Density @ 60 °F	7.50 lbs/gal
Flash Point	Approx. 165 °F
Boiling Point	Approx. 330 - 350 °F
Solubility:	

Fluid	Concentration
High TDS Brine	Miscible
Fresh Water	Miscible
Isopropanol	Miscible
Crude Oil	Miscible
Toluene	Miscible
Xylene	Miscible
Kerosene	Miscible

### APPLICATION

OIL AID-MS-5 Mutual Solvent is a blend of specialty additives and solvents that has been designed for use in a variety of stimulation or workover treatments in oil or gas wells. In addition, it works well in injection and disposal well applications including acid stimulation systems, brine stimulation systems, hydrocarbon stimulation systems, etc. or the removal of skin damage at or near the face of the wellbore in producing and injection wells.

When injected down hole in an acid system, OIL AID-MS-5 will help penetrate, break down, and disperse oil, sludge, and paraffin deposits which block pore spaces. OIL AID-MS-5 acid solutions will break emulsions, and water blocks, prevent future emulsions, disperse solids, and leave the formation in a water wet state facilitating increased productivity or improved injectivity.

- Water Wetting
- Solids Suspension and Dispersancy
- Demulsification
- Non-Emulsification
- Water Block Removal

#### **RECOMMENDED TREATMENT**

In producing wells, OIL AID-MS-5 Mutual Solvent is typically used in a range of approximately 5 percent by volume of the system fluid. The well should be shut in for a period of time when using OIL AID-MS-5 in hydrochloric/hydrofluoric acid mixtures (mud acid). This modified treatment allows time for the hydrofluoric acid to work on silica.

NOTE: Acidizing solutions containing OIL AID-MS-5 Mutual Solvent may require higher dosages of acid corrosion inhibitor than typical acidizing fluids.

#### **SHIPPING AND HANDLING**

OIL AID-MS-5 Mutual Solvent is shipped as a Combustible Liquid in 55 gallon epoxy-phenolic lined steel drums and is available in bulk. A Material Safety Data Sheet is available upon request.

OIL AID-MS-5 is a Messina trademark