



# OIL AID-WX-52

## CROSSLINKING AGENT

### DESCRIPTION

OIL AID-WX-52 is a transparent liquid crosslinking agent which is soluble in fresh water or brine solutions. Its typical properties are listed below:

Description	Liquid Crosslinking Agent
Appearance	Transparent, almost colorless liquid
Specific Gravity	1.09 - 1.10
Ph	7 - 8

### APPLICATION

OIL AID-WX-52 can be used to crosslink polymer solutions made from OIL AID-WG-40, WG-41, WG-43, WG-49, and WG-50 with a pH of 9.0 - 11.0. Fracturing fluids crosslinked with OIL AID-WX-52 provide greater viscosity and sand carrying capacity than conventional fracturing fluids and are designed to create wide, highly conductive and deeply penetrating fractures.

### RECOMMENDED TREATMENT

OIL AID-WX-52 can effectively crosslink the polymers listed above at a concentration of 2 gal per 1000 gal of 20 - 40 lbs gel, and 3 gpt for 60 - 70 lbs/1000 gal gel systems. Data on Messina's continuous mix fracturing fluid are available on request. Laboratory testing is required to determine the specific concentration of OIL AID-WX-52 required for each specific application. The typical loadings listed above are based on tests conducted in freshwater and 70 °F. Temperature changes in the gel, pH, salt content of the water, or other contaminants may dramatically affect the thickening time and appearance of the crosslinked gel. Therefore, we recommend laboratory pilot testing to optimize the loadings.

### HANDLING

OIL AID-WX-52 may cause some irritation to the eyelids. Eye protection should be worn when handling. For eye contact, wash affected area with water. If skin contact occurs wash with soap and water. OIL AID-WX-52 can be irritating to the nose and throat and dust masks or chemical respirators should be worn when dusty conditions prevail.

### PACKAGING

OIL AID-WX-52 comes in 25 kg or 50 lb (22.7 kg) bags.

OIL AID-WX-52 is a Messina trademark