

INFORMATION

OIL AID-WX-14

CROSSLINKING AGENT

DESCRIPTION

OIL AID-WX-14 is a liquid crosslinking agent for base gel solutions of OIL AID-WG-41, WG-49, and other OIL AID water gelling agents used in oil well stimulation. OIL AID-WX-14 is a non-freezing organometallic, stable to -30°C (-22°F). Its typical properties are:

Specific Gravity at 25°C	1.015
Thickening Point	- $46^{\circ}\text{C}/-51^{\circ}\text{F}$
Flash Point	54°F
Typical Solvent	Alcohol

APPLICATION

OIL AID-WX-14 will crosslink solutions of OIL AID-WG-14 or WG-49 in the pH range of 3.0 to 7.5. OIL AID-WX-14 provides firm homogeneous gels for use as fracturing fluids which are stable for extended periods.

RECOMMENDED TREATMENT

OIL AID-WX-14 is normally diluted with isopropyl alcohol for addition to fracturing fluid systems on-the-fly. Normal concentrations of OIL AID-WX-14 are 1.5 gal per 1000 gal of a 40 lb gel, 2.0 gal per 1000 gal for a 50 lb gel and 2.4 gal per 1000 gal of a 60 lb gel system. The rate and degree of crosslinking is dependent on the base gel pH, polymer concentrations, and additives. A 50 lb gel at pH 5.0 will crosslink in approximately 30 seconds, and at pH 7.5, crosslinking will occur in 15 seconds or less.

HANDLING

Goggles and rubber gloves should be worn while handling OIL AID-WX-14. May cause burns, irritation and necrosis to eyes. LD 50 oral in rats is 3310 mg/kg. In case of eye contact, flush with water for 15 minutes and call a physician.

PACKAGING

OIL AID-WX-14 is packaged in 55 gal steel drums.

OIL AID-WX-14 is a Messina trademark