

INFORMATION

OILAIID-AG-22

ACID GELLING AGENT

DESCRIPTION

OILAIID-AG-22 is either a free-flowing powder or a liquid emulsion that hydrates rapidly in a wide variety of hydrochloric acid (1-28% HCl) to form a homogeneous viscous fluid.

APPLICATION

OILAIID-AG-22 is a superior gelling agent for HCl to be used for matrix or fracture acidizing treatments in calcareous formations (e.g. limestone, dolomite, etc.). OILAIID-AG-22 maintains a stable viscosity (up to high downhole temperatures) for minimizing fluid leak off to the formation. OILAIID-AG-22 also acts to retard the acid reaction rate with the acid-soluble formation.

The OILAIID-AG-22 polymer does not precipitate when exposed to divalent cations (especially calcium) as does many of the acrylamide-type polymers, thus OILAIID-AG-22 reduces the development of formation-damaging precipitates.

RECOMMENDED TREATMENT

OILAIID-AG-22 can be mixed in the field with conventional mixing equipment. The concentration of OILAIID-AG-22 polymer is dependent on the desired viscosity of the acid downhole.

For low temperature downhole environments or matrix clean-up treatments, 40-60 lb per 1000 gal (4.8 to 7.2 kg per cu m). At higher temperatures for fracture acidizing applications, 60-130 lb per 1000 gal (7.2 to 15.6 kg per cu m) may be used.

PACKAGING

OILAIID-AG-22 powder is packaged in a 50 lb or 25 kg bag. OILAIID-AG-22 liquid emulsion is packaged in a 55 gal steel drum.

OILAIID-AG-22 is a Messina trademark