



## OIL AID-AG-22

### ACID GELLING AGENT

#### DESCRIPTION

OIL AID-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

OIL AID-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.).

OIL AID-AG-22 maintains a stable viscosity (up to high downhole temperatures) for minimizing fluid leak off to the formation. OIL AID-AG-22 also acts to retard the acid reaction rate with the acid-soluble formation.

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

#### RECOMMENDED TREATMENT

OIL AID-AG-22 can be mixed in the field with conventional mixing equipment. The concentration of OIL AID-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

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

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