

## INFORMATION

# OIL AID-A-60

FLUOROBORIC ACID

### DESCRIPTION

OIL AID-A-60 is 48-50% active fluoroboric acid which can be utilized as a concentrated source of retarded HF acid. OIL AID-A-60 has a specific gravity of 1.37 and a density of 11.3 ppg.

### APPLICATION

OIL AID-A-60 is diluted to 8-12% activity and used in conjunction with an appropriate corrosion inhibitor (Oilaid-AI-35) and surface tension reducer (Oilaid-S-15) to formulate a retarded HF acid. The delayed HF generation allows deep penetration of "live" HF acid.

OIL AID-A-60 is specially suited for removal of damage resulting from pore blockage by migrating clay fines or mud solids.

### RECOMMENDED TREATMENT

OIL AID-A-60 should be diluted to 8-12% activity before placement in the pay zone. A 15% HCl acid preflush should be pumped ahead of the OIL AID-A-60 solution with a 3% ammonium chloride (NH<sub>4</sub>Cl) pad separating the two acids and a second pad serving as an overflush.

### HANDLING

OIL AID-A-60 is a concentrated source of HF acid and should be handled in the same manner as HF. Eye contact can result in permanent damage to eye sight. OIL AID-A-60 fumes can irritate eyes, nose and throat. Skin exposure can result in severe burns and fluorodine poisoning. In case of skin or eye contact, immediately flush with water for a minimum of 15 minutes. Consult a physician in the event of any exposure or ill effects.

### PACKAGING

OIL AID-A-60 is available in both 15 gal or 55 gal plastic drums of 165 lb and 600 lb net, respectfully.

OIL AID-A-60 is a Messina trademark