

## INFORMATION

# OIL AID-FR-10

ACID FRICTION REDUCER

### DESCRIPTION

OIL AID-FR-10 is a polymer friction reducer that is readily soluble in fresh water, most oilfield brines and a range of acids. It contains a dispersing agent that eliminates lumping or fisheyes while mixing. OIL AID-FR-10 also acts as a viscosifier and fluid loss additive. The product is a buff colored powder containing brown particles with a specific gravity of 1.51.

### APPLICATION

OIL AID-FR-10 provides friction reduction, viscosity and fluid loss control in a wide variety of oilfield stimulation waters and acid solutions. It will yield in fresh water with up to 8.5 pH and in brines to 9.7 pH. The added dispersing agent, while ensuring a smooth, even gel, also causes a few minutes delay before the polymer begins to swell. For this reason, OIL AID-FR-10 should be added rapidly to the blender tub and is not recommended for continuous mix operations.

### RECOMMENDED TREATMENT

For friction reduction, add 0.2 to 1.0 pounds OIL AID-FR-10 per gallon (ppg) of water or acid.

For viscosity, add 2-4 ppg, depending on the desired viscosity.

### HANDLING

OIL AID-FR-10 is essentially non-toxic, though precautions should be taken not to breath the dust. Prolonged contact may be irritating to the eyes and skin.

### PACKAGING

OIL AID-FR-10 is available in 50 lb bags.

OIL AID-FR-10 is a Messina trademark