

## INFORMATION

# OIL AID-BG-9

ORGANIC ACID BUFFERING ADDITIVE

### DESCRIPTION

OIL AID-BG-9 is a white, crystalline organic acid that is used to adjust the pH of aqueous fracturing fluids into an optimum range to allow the proper functional environment for a polysaccharide polymer. The physical properties of OIL AID-BG-9 are:

Form	Colorless, Odorless Crystals
Density	1.64
Freeze Point	N/A
Flash Point	N/A
pH	in a 10% Aqueous Solution 4.5
Solubility	Water and Alcohol Soluble

### APPLICATION

OIL AID-BG-9 may be used with BG-20 or BG-32 to achieve the desired pH for aqueous fracturing systems. OIL AID-BG-9 should be added to the frac fluid while circulating the already dispersed polysaccharide polymer. The addition of OIL AID-BG-9 to completely dispersed polymer will normally increase the rate of polymer hydration. However, if OIL AID-BG-9 is added to the mix water before the polymer is dispersed, gel lumping will occur.

### RECOMMENDED TREATMENT

OIL AID-BG-9 should be used in sufficient quantities to ensure that the desired pH value is achieved.

In most frac fluid applications, OIL AID-BG-9 is used at a loading of 2.5 lb per 1000 gal (0.3 kg/m).

**HANDLING**

OIL AID-BG-9 is not toxic, but it may be an irritant on prolonged contact with skin or eyes. On contact with skin or eyes, flush with water. If eye irritation persists, consult a physician.

**PACKAGING**

OIL AID-BG-9 is packaged in 50 lb (22.7 kg) bags.

OIL AID-BG-9 is a Messina trademark