



OIL AID-WB-20

ENZYME LOW/MEDIUM TEMPERATURE BREAKER

DESCRIPTION

OIL AID-WB-20 is a breaker for water based stimulation fluids in low temperature well environments of up to 180° F (82° C). Its typical properties are:

Form	Free Flowing Powder
Color	White
Bulk Density	35 lb per cubic foot
Solubility	Soluble in Water

APPLICATION

OIL AID-WB-20 will provide a complete breakdown of high viscosity gelling agents in environments up to 150° F (65° C), so that the returning fracturing fluid will have a viscosity approximating water.

Temperature in excess of 150° F will denature the enzyme and thus the polymer will not be broken.

OIL AID-WB-20 can lose activity over time, necessitating periodic testing of the effectiveness of the product prior to use.

RECOMMENDED TREATMENT

The recommended concentration of OIL AID-WB-20 will vary, depending upon the polymer concentration, pH, temperature environment, and break time desired. Loadings of OIL AID-WB-20 can range from 0.02 lb/1000 gal (0.006 kg/m³) to 5 lb/1000 gal (0.6 kg/m³) depending upon the above factors. Break testing using the desired frac system additives and temperature environment to determine the precise loading of OIL AID-WB-20 is recommended. OIL AID-WB-20 is most effective in the pH range of 3.5 to 8, and rapidly loses activity in a pH environment outside that range.

HANDLING

OIL AID-WB-20 is a blend of non-toxic materials. However, the product should be regarded as a dusting hazard and appropriate personal protection should be utilized. In case of eye or skin contact, flush with water. OIL AID-WB-20 exhibits good storage stability when kept under cool, dry conditions.

PACKAGING

OIL AID-WB-20 is available in 1 lb packages with either 10 or 50 packages in a fiber container.

Alternative packaging is available upon request.

OIL AID-WB-20 is a Messina trademark