



# OIL AID-WB-35

## INTERMEDIATE TEMPERATURE BREAKER

### DESCRIPTION

OIL AID-WB-35 is an oxidizing breaker used in water based fracturing fluids at intermediate temperatures (150° to 225° F).

### APPLICATION

OIL AID-WB-35 will provide a complete breakdown of high viscosity gelling agents in a regulated time frame at temperatures from 150° F to 225° F. At temperatures above 225° F, the concentration of OIL AID-WB-35 is too low to ensure: 1) a uniform reduction in viscosity, and 2) viscosity breakdown in a controlled time frame. Dilution of this material to permit application at higher temperatures is not advised.

The concentration of OIL AID-WB-35 required to give a complete and time-controlled break of the fracturing fluid is dependent on: 1) the polymer load (lb/1000 gal) in the fluid, 2) the buffering capacity of the fracturing fluid, 3) the temperature of the reservoir, and 4) the effect of other additives incorporated in the fracturing fluid on the breaker.

OIL AID-WB-35 is usually added at the blender tub and can either be slowly poured into the tub as a powder, or mixed in fresh water and added to the blender tub. Care must be exercised when adding this material as over-dosing may cause premature break of the fracturing fluid, while addition of an insufficient amount may cause the gel to break non-uniformly in the fracture which will restrict flow-back and may cause erratic propagation of the fracture.

Laboratory testing is advised to determine the optimum concentration of OIL AID-WB-35 for application based on individual well conditions and fracturing fluid design.

### SAFETY AND HANDLING

Chemical goggles and rubber gloves should be worn while handling OIL AID-WB-35. In case of eye contact, flush with water for at least 15 minutes and, if irritation continues, seek immediate medical attention. Wash all exposed clothing before re-use.

**IMPORTANT:** The concentrate material must not contact concentrated organic materials, especially liquids. Only after dilution with water is it safe to mix the chemicals.

### PACKAGING

OIL AID-WB-35 is available in 35 lb pails.

OIL AID-WB-35 is a Messina trademark