



# OIL AID-WG-1

## RESIDUE-FREE WATER GELLANT

### DESCRIPTION

OIL AID-WG-1 is a retarded hydration, residue-free water gellant for hydraulic fracturing operations. Its properties are:

Form	Free-flowing, off-white powder
Specific Gravity	Approx. 0.6
Bulk Density	37.4 lb/cu. ft.
pH (2% solution)	6.5-10

### APPLICATION

OIL AID-WG-1 has been surface treated to inhibit hydration time. As such, it makes an excellent batch viscosifier for frac jobs by ensuring that fisheyes do not form in the fluid. The product exhibits excellent shear thinning characteristics. OIL AID-WG-1 is soluble in both cold and warm water and will viscosify water from fresh to high-density calcium/zinc bromide brine. At low temperatures or where a fast break down or high concentrations are required, it can be broken with acids, oxidizers, or enzymes. The combination of positive breakdown and no residue accounts for the good cleanup typical of OIL AID-WG-1 jobs.

OIL AID-WG-1 also functions as an excellent gelling agent for hydrochloric acid.

### RECOMMENDED TREATMENT

OIL AID-WG-1 concentrations range between 20 and 125 lb per 1000 gal of fluid, depending on desired viscosity.

### HANDLING

OIL AID-WG-1 is not toxic though eye contact can cause some irritation. Goggles should be worn while handling.

### PACKAGING

OIL AID-WG-1 is available in 50 lb bags.

OIL AID-WG-1 is a Messina trademark

