

CMHPG Fast Hydrating CMHPG Suspension - HPHT Gelling Agent

Product Data



CMHPG is a stabilized pourable suspension of high grade liquid modified carboxymethylated hydroxypropyl guar (CMHPG) polymer carefully chosen to rapidly yield the highest solution viscosities in a wide spectrum of temperature, salt and pH conditions. CMHPG delivers ideal viscosity that is both rapid and stable in order to provide a fracturing fluid foundation that can be easily crosslinked. cmhpg is also used to stabilize foam fracturing treatments. CMHPG suspension technology is designed to eliminate product settling and fluid separation while providing excellent rheology modification. In combination with ZCL-200 (ideally modified HPHT crosslinker) and VS-BI.

CMHPG is composed of a proprietary environmentally friendly fluid and 4 ppg active variety of high- grade modified CMHPG polymer suspension which, while remaining fully pourable, does not experience the settling or fluid separation evident in other liquid products. CMHPG therefore allows for hassle- free storage, transport and mixing – leading to a lower overall operational cost and higher operational efficiency. CMHPG is typically used in concentrations of 3.0 to 12.0 gallons per 1000 gallons of fluid, depending on the desired viscosity of the liquid gel foundation.

Advantages & Benefits

- Applicable for proppant carrying capacity in fracturing fluids, general viscosifier for drilling and workover fluids, rheology modifier for sand control, and stabilizer for foam fracturing treatments.
- Easy to handle and mixes well in low shear rate environments.
- Stable and pourable suspension with rapid dispersion without “fisheyes”.
- Excellent viscosifier, provides the ideal viscosity to provide a fracturing fluid foundation that can be easily crosslinked.
- Extremely stable suspension provides hassle-free storage, transport and mixing.
- Freeze/thaw cycle does not affect stability or performance of the product.
- Solution viscosity is stable in varied temperature, salt and pH conditions.

Cost

Total well costs are often lower as a result of higher product operational efficiency, fewer performance problems and less rig time. CMHPG results in lower operational costs as a result of an increased drill rate and an increased cement bonding strength when applied.

Compatibility

CMHPG is broadly compatible with industry fracturing agents and conventional stimulation additives.

Recommended Treatment

3.0 – 12.0 gal per 1000 gal of fluid depending on the application.

Handling

For specific instructions refer to SDS information or as illustrated on product containers.

Packaging

CMHPG is normally packaged in 5 gal pails, 55 gallon drums, and 275/330 gal totes.

Specifications	Material Properties
Suitability	Recommended as an environmentally stable viscosifying suspension to deliver the ideal viscosity that is both fast hydration and stable in order to provide a fracturing fluid foundation that can be easily crosslinked for a wide range of conditions.
Color	Light to dark yellow liquid
Flash Point	Above 200°F (>93.3°C)
Solubility in Water	Dispersible / Soluble
Concentration / % Activity CMHPG	>= 4.0 lbs / gallon
Recommended Treatment	3.0-12.0 gallons per 1000 gal fluid depending on the application.

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