

CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

HYDROGEL®

For use in drilling operations where premium grade Wyoming Bentonite is desired. HYDROGEL® is a preferred product for use in oil and gas exploration drilling. It is also used in slurry trenching, caisson boring, and cast-in-place concrete foundations.

PRODUCT CHARACTERISTICS:

- Manufactured to exceed API 13A, Section 9 specifications.
- 200 Mesh viscosity builder.
- Yields excellent fluid loss characteristics.
- Assists in stabilizing the bore hole or trench walls.

PRODUCT SPECIFICATIONS	A.P.I. Specifications 13-A, Sec. 9-2004	Typical Hydrogel®
Barrel Yield	--	96 ± 5
Viscometer Reading at 600 R.P.M.	30 Min.	36 ± 6
Water Loss	15.0 cc Max.	13.5 ± 1
% Thru 200 Mesh Screen	--	80 ± 4
Wet Screen Analysis Residue on U.S. Sieve No. 200	4.0% Max.	3.0 ± .5
% Moisture	10.0%	7 ± 1
pH	--	9.0 ± 1.0
Gel Strength—10 Sec.	--	4 ± 1
Gel Strength—10 Min.	--	12 ± 3
Plastic Viscosity	--	12 ± 2
Yield Point, lb/200 ft.	3 x P.V. Max.	16 ± 2

Mix 20 to 50 pounds per 100 gallons of make-up water.

This product is designed to be flushed out of the well bore prior to using the well for drinking water. Before placing a well in service for drinking water it is to be properly flushed and drained until the turbidity of the water is <1 NTU above ambient turbidity.

HYDROGEL® is available in 50 pound and 100 pound multi-walled paper bags, bulk bags, or bulk.