

Biozan HMW Suspension Aid

Product Overview

Biozan is a high molecular weight biopolymer used as a viscosifier in oilfield fluids. Biozan is a High Molecular Weight Welan Gum which produces high viscosity at low shear rates to help maintain solids suspension.

Recommended Application

Used in cementing as a viscosifier to control free water and solids settling. Biozan is an excellent spacer fluid additive to prevent solids separation. Can also be used in drilling fluids as a viscosifier and to maintain solids in suspension. Normal concentration levels used in various fluids will range from about 0.2 to 2.0 ppb. Do not use in Calcium Chloride brine above 9.4 ppg (14% by weight). Gel based freshwater drilling fluids require 0.2 to 0.5 ppb for effective yield point enhancement. Clear brine fluids require 1.0 to 2.0 ppb depending on hole size and pump rate.

Safety & Environmental

Unlikely to cause harmful effects when stored and handled as advised.

Recommended Usages

- Can be used with fresh water and low salt content water
- Can tolerate calcium in cement systems, spacer fluids and drilling fluids
- Can be used at temperatures up to 300°F (150 C)
- High viscosity over a broad temperature range
- Minimal thermal thinning

Typical Properties

Property Test Results

color	Light tan to brown
pH of 1% solution	6-9
Bulk Density (D)	26.25 lbs/ft.
Loss on Ignition	1.65%
Particle size	≥90% passing 80mesh
Specific Gravity	1.45

Shipping, Handling & Storage

Packaged in 50lb. bags Shipped from our Manufacturing facility in Texas.

The information contained herein is based on data considered accurate with representative samples. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The above data does not imply specifications for this product. Cementing Products Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties, caused by the material. Such vendees or users assume all risks associated with the use of the material. Consult the Material Safety Data Sheet before using this product.