

ANCO ZAN

Solutions Through Technology.....

Environmentally Friendly Chemicals

Product Description

ANCO ZAN is a high molecular weight, xanthan gum biopolymer.

Typical Application

ANCO ZAN is a viscosifier and suspension control agent for most water based drilling fluids. ANCO ZAN is applicable in fresh water and brine water (NaCl, KCl, and mixed salt) environments. The product is effective in fluid systems having a broad pH (7.0 to 11.0) range, and tolerates common ionic contaminants up to and exceeding 1000 ppm. ANCO ZAN is a superior low shear rate viscosifier, providing low shear rate viscosity that exceeds conventional biopolymers in most fluid environments. ANCO ZAN produces a shear thinning viscosity profile, resulting in excellent suspension and hole cleaning properties.

Product Advantages

- A biodegradable, non-toxic additive for water based fluids.
- Provides a superior "Low Shear Rate" rheology profile in a variety of water based environments.
- Provides stable, shear-thinning, viscosity across a wide pH range.
- Tolerates commonly occurring ionic contaminants at elevated concentrations.

Recommended Treatment

Optimum properties are usually established with ANCO ZAN treatments of 0.25 to 2.0 lb/bbl (0.7 - 5.7 kg/m³). The amount required will depend upon the desired properties, total solids, and active clay content of the fluid prior to treatment. Fluids with low solids content and low total salinity will generally require a lower concentration of ANCO ZAN.

Handling

Employees should utilize normal precautions when handling chemical products. The use of safety goggles, gloves and apron are recommended when handling this product. In case of eye contact, flush with clean, fresh water and seek medical advice. In case of skin contact, wash the affected area with soap and water. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

Storage

Store in a dry area, protected from precipitation and contact by moisture.

Packaging

ANCO ZAN is supplied in 25 lb. moisture resistant, multi-wall paper bags.

Additional Information

CAUTION! Spills of this product can become extremely slippery when wet! Personnel and vehicles should proceed with caution in areas where spills of this product may occur.

Typical Chemical and Physical Properties

Bulk density, lb/ft ³	35 - 40
Solubility	Soluble - Limited by viscosity
Appearance	Free flowing powder
Color	Light Tan
Odor	Slightly Earthy
pH	6.0 - 7.0
Temperature Stability, °F	>325