

ANCO STARCH (WHITE)

Solutions Through Technology.....

Environmentally Friendly Chemicals

Product Description

ANCO STARCH is a natural, water soluble, potato starch based polymer for reducing the API filtration rate of water based drilling fluids.

Typical Application

ANCO STARCH is an effective additive for reducing the API (low temperature/low pressure) filtration rate of water based fluids. ANCO STARCH is particularly useful in controlling the filtration rate of fluids having elevated salinity, and/or total hardness, where the efficiency of conventional filtration control agents is much reduced. ANCO STARCH contributes modestly to the low shear rate viscosity of the fluid without appreciably increasing gel strengths.

Product Advantages

- Easily controls fluid loss in heavily weighted drilling fluids.
- Exhibits excellent fermentation stability.
- Is unaffected by high levels of contaminating ions.
- An inexpensive filtration rate control agent.

Recommended Treatment

Acceptable filtration rate properties can usually be achieved with treatments of ANCO STARCH in the range of 2.0 - 6.0 lbs/bbl (5.7 - 17.1 kg/m³). High concentrations of ANCO STARCH, or product addition to high solids muds may cause an undesirable increase in the viscous properties of the fluid. ANCO STARCH should be added to the system through the chemical hopper. The rate of addition should be controlled to prevent the formation of balls (fisheyes) of the product, which reduce product efficiency.

ANCO STARCH treated fluid systems, which are used for prolonged periods or subject to dilution by water containing high levels of bacteria or fungal spores, should be treated with an EPA registered biocide or biostat.

Handling

Employees should utilize normal precautions when handling chemical products. The use of an appropriate dust mask, safety goggles, gloves and apron are recommended when handling this product. In case of contact with eyes, flush with clean fresh water to remove any residual material. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

Storage

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

Packaging

Supplied in 50 lb (22.7 kg) multi-wall paper sacks.

Typical Chemical and Physical Properties

Bulk density, lb/ft ³	35 - 42
Specific Gravity g/cm ³	1.15
Solubility	Hydratable
Appearance	Off-white or light yellow powder
Odor	Odorless
pH	7.0
Temperature Stability, °F	200