



Product Information

Flowline PHPA A30L

GENERAL DESCRIPTION

Flowline PHPA A30L is a low molecular weight anionic polyacrylamide supplied as a dry granular powder. When added to water-based drilling fluids, this specially processed polymer disperses rapidly allowing hydration to occur without the formation of lumps or "fish eyes".

Due to its lower molecular weight, Flowline PHPA A30L will have considerably less effect on the rheology of a fluid as far as increasing the viscosity, while still affording excellent shale inhibition. Dosage rates of up to 2-3 ppb are attainable.

APPLICATIONS

Flowline PHPA A30L is a versatile polymer that can be used for oil, gas, water well, and mineral drilling. It can be added to fresh, KCL, or seawater based drilling fluid systems. Flowline PHPA A30L functions primarily as a:

- SHALE INHIBITOR
- FRICTION REDUCER/LUBRICANT

PRINCIPAL FUNCTIONS

Shale Inhibitor

Flowline PHPA A30L can be used alone or in conjunction with KCL to stabilize active shale by decreasing the shale's tendency to absorb water, swell, and slough-off. As an additional benefit, fluid loss is often reduced when using this product. Normal dosage rates are between 1.0 – 3.0 ppb as supplied.

Friction Reducer

The addition of **Flowline PHPA A30L** into a fluid will help reduce turbulent flow, friction, and power losses at points of high shear. Lowering turbulent flow also helps reduce erosion and washouts of fragile geologic structures.

TYPICAL PHYSICAL PROPERTIES

Appearance	White Granular Powder
Ionic Character	Anionic
Bulk Density	0.7 gm/cc (45 lbs./cu. ft.)
pH of 0.5% Soln. @ 25°C	6.0 - 8.0

HANDLING

Flowline PHPA A30L exhibits a low order of toxicity. However, precautions should be taken to avoid inhalation, ingestion or contact with skin or eyes. For additional information, see the relevant MSDS.

SPILLS: Polymer spills are extremely slippery and therefore hazardous. They should be addressed immediately. Dry polymer spills should be left dry, swept up and disposed of according to local, state or federal regulations. If the polymer becomes wet, an absorbent material should be applied to the spill, then swept up and discarded. **Do not add water to a spill.**

STORAGE

Flowline PHPA A30L should be stored inside under cool dry conditions. When stored under these conditions, the product has a shelf life of at least one year.

AVAILABILITY

Flowline PHPA A30L is supplied in 25 kg. (55 lbs), multi-walled, polyethylene-lined, paper bags, packed 40 to a shrink-wrapped pallet and available from HiTech Fluid Systems Ltd.