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## PRODUCT DATA

**Description:** Ultra Floc PHPA is an anionic polyacrylamide emulsion. Ultra Floc PHPA is a high molecular weight polymer with a moderate anionic charge. It is a proven performer in both industrial and oil field drilling applications. Ultra Floc PHPA is usable in both fresh water and brines, as well as having a good tolerance to high temperatures.

**Application:** Ultra Floc PHPA can be used effectively to satisfy the following requirements: Shale Stabilization, viscosifier, friction reducer, fluid loss control, and lubrication. Prior to initial use, thoroughly mix pails by stirring or shaking. Larger quantities should be thoroughly mixed via a low RPM (<475 rpm) drum / IBC stirrer or a re-circulation pump to ensure uniformity.

### Recommended

**Treatment:** Ultra Floc PHPA can be added directly to the fluid system at the hopper, by diluting it with water in a chemical bbl, or by adding directly at the surface of the mud tanks. Typical usage rates range from 6 – 16L/m<sup>3</sup>.

### Typical

<b>Properties:</b>	Appearance:	Opaque liquid
	Degree of Charge, %:	30
	Specific gravity @ 20°C:	0.99 - 1.03
	Viscosity, as is, cps:	500 -1500
	Freezing point:	-18°C
	Flash point, closed cup:	> 93°C
	Shelf life, months	6
	Total solids %:	31-33

**WHIMIS:** These products can irritate the eyes and skin. Rubber gloves, goggles, and protective clothing are recommended for use while handling. They are not acutely toxic by oral and dermal administration to laboratory animals though eye irritation did result. See the Material Safety Data Sheet for complete safety, health, and environmental data.

**TDG:** Not regulated.

**Packaging:** Ultra Floc PHPA is available in 20L pails from HiTech Fluid Systems Ltd.