Description

SAPP (sodium acid pyrophosphate) is a commercial chemical used as a thinner and dispersant in fresh water drilling fluids. It is a water soluble, easily dispersed solid and requires only small concentrations to provide effective thinning results.

Application

SAPP works to reduce viscosity and gel strengths in freshwater drilling fluids through the dispersion of reactive clays. SAPP is also an effective chemical treatment for cement contaminated fluids.

Typical Physical Properties

Appearance: White solid
pH (5% solution): 3 – 5

Advantages

- Fast acting – it works instantly reducing the viscosity of fresh water mud
- Effective at low concentrations
- Facilitates removal of calcium and magnesium ions from hard water
- Reduces pH in cement contaminated fluids
- Does not react with other polymers.

Recommended Treatment

Pilot tests should be conducted to determine the optimum addition rate. Typical doses range from 0.3 – 0.6 kg / m³. For best results, completely dissolve SAPP in water before adding slowly to active system at the flow line.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.