

Riteks WB Thin-RS

Anionic Acrylic Copolymer Thinner

General Description

Riteks WB THIN-RS is a non-polluting anionic acrylic copolymer thinner specially designed for all types of anionic or non ionic water based muds. Due to its optimized composition, WB THIN-RS can be used in any type of water based mud, soft water based, salt or brine based , with gypsum, limestone or barite. WB THIN-RS can advantageously replace ferrochrome lignosulfonate. and its water solubility and oil insolubility makes it non bio-accumulable.

WB THIN-RS will easily deflocculate the clays and minerals commonly found in most systems. Its reactivity and stability at high temperatures makes it ideal to reduce thermal flocculation.

Applications

Riteks WB THIN-RS is used in water-based systems to control rheological properties and to impart high temperature stability. WB Thin-RS is not pH dependent and does not cause any foaming it is an effective deflocculant that can be used at a wide range of pH and is suitable for use up to 430°F (220°C).

Riteks WB THIN-RS can be used as a stand alone product, or in combination with other thinners, such as lignosulfonates, that operate by different thinning mechanisms and is particularly efficient in fresh water systems with low to medium solids concentrations.

Its reactivity and stability at high temperatures makes it ideal to reduce thermal flocculation. The difference with ferrochrome lignosulfonate will be especially important at high temperatures where WB THIN-RS will keep the rheology under control. When used alone it has a positive effect on filtrate, effect that can be greatly enhanced when used with products such as starches or cellulose. WB THIN-RS can be added directly into the mud pit at levels of 0.5 to 5 lb/bbl (1.5 to 15 kg/m3).

Features and Benefits

- Does not contain toxic heavy metals such as chromium.
- Non-fluorescing and will not interfere with the examination of cores & cuttings.
- Very good tolerance to high temperature and can be used up to 220°C / 430°F.
- Will help minimize shear strength development.

Typical Properties

Nature: Anionic acrylic copolymer
Appearance: Yellow to amber liquid.
Solids content (%): 41
pH (20°C/68°F): 7.5
Specific gravity (20°C/68°F): 1.25
Solubility: Complete in water.

Typical properties given do not constitute a supply specification

Packaging/Storage

5-gallon pails · 55-gal. plastic drums
275-gallon totes · Bulk

Protect from the effect of weathering and store between 40°F /105°F. Once opened, packaging should be resealed immediately and used within 12 months after delivery. Viscosity will increase when temperature decreases but even in the case of sub-zero storage, the viscosity will return to normal values upon warming.

Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

Riteks WB THIN-RS is non-toxic on the following organisms:

- Chlamydomonas Reinhardtii
- Skeletonemas Costatum
- Crangon Crangon
- Acartia Tonsa
- Corophium Volutator
- Scophthalmus Maxim

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