

LTR

Sodium Lignosulfonate

DISPERSANT AND THINNER

LTR can be used in cement slurries as either a dispersant in cement to increase compressive strength or as a retarder to delay the setting of the cement.

LTR is effective with all Portland cements and generally added in concentrations from 0.1% and 2.5% by weight of cement. The sodium Lignosulfonates are most effective at bottom hole circulating temperatures up to 60°C.

The addition of small amounts of boric or citric acid can increase the temperature application range to 100°C.

PHYSICAL PROPERTIES:

Appearance: Brown powder

Bulk Density: 320-500 kg/m³

Moisture Content: ↓7%

CHEMICAL PROPERTIES:

Reducing Sugars: ↓3%

Sulfur: 7-8%

Sodium: 8-9%

Calcium: ↓0.1%

Chloride: ↓0.15%

MIXING & HANDLING

LTR is most often dry blended in cement. LTR should be stored in a dry place to prevent caking as a result of absorption of moisture.

As with all organic materials, caution is advised when storing or handling near strong oxidizing agents such as chlorates, nitrates or peroxides.

Avoid excess dust build up as contact with a spark or open flame could result in combustion or explosion. Use good industrial practice to avoid eye and excess skin contact.

Wear a protective dust mask and goggles when handling and mixing.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 20 kg bag / bulk

