

Sodium Glucoheptonate

RETARDER AND THICKENER

Sodium Glucoheptonate is a product designed to extend the thickening time of oilwell cement slurries up to ~120°C BHCT. This retarder can be used in all normal Canadian cements, and is compatible with standard chemicals such as fluid loss additives, dispersants, silica flour, defoamers, and weighting materials.

Oilfield Cementing: Typical dosage of **Sodium Glucoheptonate** ranges from 0.2 – 1.5% BWOB. In the presence of typical dispersant/fluid loss additive combinations, thickening times can range from 3 to 5 hours depending on retarder loading. Dry blending is recommended, although **Sodium Glucoheptonate** can be pre-hydrated for batch and squeeze operations.

This product can be combined with HTR Intensifier, increasing the range of effectiveness to approximately 220°C. However, laboratory testing is recommended in all cases prior to field use.

PHYSICAL PROPERTIES:

Appearance: White powder
Specific Gravity: 1.8 g/mL
Bulk Density: 1.794 m³/ton

CHEMICAL PROPERTIES:

Solubility: Soluble in water
pH: 6.0 – 7.0 (in fresh water)

MIXING & HANDLING

Sodium Glucoheptonate is not hazardous. Avoid excessively humid conditions. Store in a cool dry place. Avoid inhalation or ingestion of product.

WHMIS: Not controlled

TDG: Not regulated

Packaging: 50 lb bag

