

PRODUCT DATA SHEET

GH-7 Retarder for Oil Well Cementing**Product Description**

GH-7 can adsorb on the surfaces of cement hydration products to inhibit contact between cement and water, and also adsorb on the crystal nuclei to prevent their further enlargement, thus delaying the hydration of the cement slurry.

Characteristics

- GH-7 is composed of various compounds such as gluconates, hydroxy carboxylic acids, etc.
- Non-toxic, odorless, and non-corrosive.
- Normal dosage is 0.2% to 2.0% (by weight of solids). It is sensitive to temperature, and the dosage should be increased appropriately as the temperature rises.
- Can reduce the consistency of cement slurry and improve its rheological properties.
- Effectively extends the thickening time of cement slurry.
- Typically used within a temperature range of 110°C to 140°C (BHCT).

Technical Specification

Items	Specification
Appearance	Homogeneous, mold-free liquid
Thickening time (100°C/60.2 MPa/53 min), min	≥120.0
Initial consistency (100°C/60.2 MPa/53 min), Bc	≤30.0
Mutation value of thickening curve, Bc	≤10.0
Thickening time extension, min	≥60.0
Sensitivity to dosage, %	≤25.0
Temperature sensitivity, %	≤20.0
Transition time (100°C/60.2 MPa/53 min), min	≤40.0
Free liquid,%	≤1.4
Compressive strength (123°C/21 MPa/24h), MPa	≥14.0

Packing, Storage

- Packed in plastic barrels, 25kg/barrel.
- The storage warehouse must be well-ventilated, dry, and clean. The product must not be stored or transported with harmful substances. It should be protected from direct sunlight and rain, and covered during transportation.
- The shelf life is one year.

Email:info@oilchemleader.com
Website:www.oilchemleader.com