

## PRODUCT DATA SHEET

**GH-6 Retarder for Oil Well Cementing****Product Description**

GH-6H can adsorb onto the surfaces of cement hydration products to inhibit contact with water. It also adsorbs onto the crystal nuclei of the hydration products, preventing further growth of the nuclei, thereby retarding the hydration of the cement slurry.

**Characteristics**

- GH-6 is composed of various compounds, such as gluconates and hydroxycarboxylic acids.
- Non-toxic, odorless, and non-corrosive.
- The typical dosage is 0.06% to 1.0% (BWOC). The dosage should be increased appropriately with the rise in temperature.
- It can reduce the consistency of cement slurry and improve its rheological properties.
- Effectively extends the thickening time of the cement slurry.
- Generally used in oil and gas wells with a circulating temperature between 75°C and 115°C.
- GH-6 is sensitive; accurate measurement of the dosage is required during use.

**Technical Specification**

Items	Specification
Appearance	Homogeneous, mildew-free liquid
Thickening time (60°C/32.8 MPa/37 min), min	≥120.0
Initial consistency (60°C/32.8 MPa/37 min), Bc	≤30.0
Abrupt change value of thickening curve, Bc	≤10.0
Thickening time extension value, min	≥60.0
Dosage sensitivity, %	≤25.0
Temperature sensitivity, %	≤20.0
Transition time (60°C/32.8 MPa/37 min), min	≤40.0
Free liquid, %	≤1.4
Compressive strength (82°C/0.1 MPa/24 h), MPa	≥14.0

**Packing, Storage**

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



