

# Technical Data Sheet

## Chrome Free Lignosulfonate

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### Product Description

Chrome free lignosulfonate is a thinner for drilling mud and fluid loss control agent. With obvious capability of anti-high temperature, anti-electrolytes, is naturally non poisonous completely compatible with other admixture agent etc.

### Main Specification

Item	Requirement
Material insoluble to water	2.5%max
Moisture	8.5%max
PH(2% water solution)	2.8~3.8
Appearance	Brown powder

### Mud performance

Item		Fresh water drilling mud	Salt water drilling mud
Normal temperature	Apparent viscosity mPa.s	≤20	≤25
	Rate of reducing viscosity %	≥85	≥65
High temperature	Apparent viscosity mPa.s	≤35	≤45
	Rate of reducing viscosity %	≥60	≥45

### Fuction

1. Excellent thinning performance and filtration control capacity, the mud performance of fresh water is better than salt water mud.
2. Anti-high temperature 150°C, it can cooperate with other admixture agent.
3. Good emulsifying effect in mud.

### Application

1. free-Chrome thinner may be added into drilling fluids either in the form of solution or

powder. PH:10.0~10.5

2.As thinner ,fresh water mud 1.0%(W/V), salt water mud 2.0%(W/V).

### Package

25kg net weight. With PE film bag inside and paper-plastic complex bag outside.

### Attentions

Hazardless

The chemical property of this product is stable and will not change in the normal temperature and ordinary pressure. This product is in weak acid, avoid from the breakage of package and wearing full protective clothing to protect from contact with skin when carrying .

### Storage

Avoid from water and wet. Keep away from heat. Put in the place of dry and ventilate

Precaution

It will not self-ignition, you can put out with water or foam fire-extinguisher when it was ignited.

### First aid

If contact with eye and skin, wash eyes with lots of water and wash skin thoroughly with water.

<http://www.greenagrochem.com/products/chrome-free-lignosulfonate/>