SL-CHS | Low-poly clay stabilizer

**Product Description**

SL-CHS Low-poly clay stabilizer is recognized as the updating and upgrading products of small cationic clay stabilizer with better effect and better stability, compared with small cationic single dose, also, expansion rate is more than 80% when using the single dosage. Based on the green synthesis process, this product is studied as the new generation of clay stabilizer by our company researchers, with effective non-toxic tasteless, etc.

**The development background and characteristics of CHS**

1. Most of the domestic oilfield reservoir sandstone reservoir belongs to the high clay;
2. Low permeable zone accounts for larger proportion;
3. Before 2000, the polymer clay stabilizer with high molecular weight leaded the domestic oil fields markets, however, a lot of experience and the results showed that this polymer polymer clay stabilizer is disabled with low permeability formation, easy to cause jams and harm to human. This polymer clay stabilizer include polyamine, PDMDAAC, cationic polyacrylamide and so on.
4. In the well operation, the insufficiency of clay stabilizer dosage can hinder its role in proper performance nor fully have response differences in quality, with the increase of oil recovery difficulty, these problems been gradually exposed now.

**Technical Indicators of Low-poly clay stabilizer**

<table>
<thead>
<tr>
<th>Item</th>
<th>Indicator</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Yellow homogeneous liquid</td>
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<tr>
<td>pH value</td>
<td>8.0-10.0</td>
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<tr>
<td>Density (20°C), g/cm³</td>
<td>≥1.15</td>
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<tr>
<td>Anti-swelling rate</td>
<td>≥ 85%</td>
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**Introductions**

1. It has good compatibility with with guar gum and its additive, when used with KCL in fracturing can reduce the costs, recommend formula: low-poly clay stabilizer 50%, KCL 12.5%, water 37.5%.
2. Using the acidulated low-poly clay stabilizer with NH₄CL can also reduce the costs, recommend formula: low-poly clay stabilizer 50%, NH₄CL 12.5%-15%, water 35%-37.5%.
3. The user can also choose the appropriate distribution scheme according to the market situation.
4. For the small cationic clay stabilizer used oilfield operations, the same applications to low-poly clay stabilizer.

http://www.sloilfield.com

QUALITY, VALUE, RESPONSIBILITY

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.
Product Features

1. With small molecular weight, and the molecular size is smaller than clay crystal layer, be easy penetrated into the clay and appropriate to low permeable formation;

2. With a consistent molecular weight and possess the molecular configuration between single cationic molecules and polymer.

3. Possess unique spatial structure with multiple cationic and hydroxyl groups.

4. Less dosage, good effect, strong adsorption ability, it is a kind of permanent type of clay stabilizer.

Packing and Storage

Packed in plastic buckets with the net weight of 250kg(551lb); the solid is packed in knitted bags with net weight of 30kg(66lb) or packed as required by the user; stored in cool and dry places with warranty period of two years. The product is non-dangerous product, which can be treated as the regular liquid during the transport.