



## HYDROPHILIC CO-POLYMER SILICONE OIL QS-318

### ● Chemical Composition

New multiple block organic silicon compounds

### ● Technical Specification

- ☆ Appearance: Light yellow transparent liquid
- ☆ Ionicity: very weak cationic
- ☆ PH value: 5 ~ 7
- ☆ Solubility: Easily dissolving in water

### ● Dissolving Method

- ☆ Add one part QS-318 into container first, add one part water (room temp.) while stirring, stir for 30mins until the mixture turn into transparent liquid, then add the rest 3 parts water, stir for another 30mins until fully dissolving.

### ● Properties

- ☆ Give fabric outstanding soft, smooth, rebound, soft handle;
- ☆ Has very good salt and alkali resistant, anionic resistance and heat stability;
- ☆ Give very good hydrophilic and antistatic property;
- ☆ Can be re-dyed without removing the softener
- ☆ no yellowing, had no adverse effect on fabric whiteness and color shade;

### ● Field of Application

- ☆ Suitable for cotton, cotton/polyester, knitted fabric, woven fabric of hydrophilic, soft, smooth finishing;
- ☆ Apply to the hydrophilic and softening treatment of towel fabric;  
Applicable to the dye house and washing factory

### ● Application

- ☆ Padding: Dosage: 20~50g/L (QS-318: water = 1:4 )  
Temperature: room temp. Dosage: one dip and one pad or two dips and two pads
- ☆ Dipping: Dosage: 2~10% (o.w.f) Temperature: 30~40°C  
Liquor ratio: 1:10~15 Time: 30mins

### ● Storage and Packing

Shelf life : 12 months when store in cool, dry and shaded warehouse.  
Packing : 120kg plastic drum

○ Compatibility of other auxiliaries and process need to be checked before application



Global Chemicals International Ltd.  
高寶化工國際有限公司

中国 电话: 0769 86290888 传真: 0769 83392294  
香港 电话: +852 25222811 传真: +852 29733033

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