

HOUSEHOLD PRODUCT



Product Bulletin

AQUAGEL C45

INCI Name

Polyquaternium-33 (and) C13-14 Isoparaffin (and) Laureth-7

Description

AQUAGEL C45 is a cationic acrylamide-based polymer which can be used as thickener and softener in acidic system. It is easy to use, can be added in any procedure during the preparation, do not need heat or neutralization. It is suitable for fabric softener and home care products.

Specification

Parameter	Value
Appearance	Emulsion
Solid content (%)	40.0-45.0
Viscosity (25°C, mPa·s)	500-3000
Viscosity (25°C, 2% soln, mPa·s)	1500-4000
pH (2% soln, 25°C)	4.0-6.0
Residual acrylic acid (ppm)	≤100

These values indicate typical specifications, they are not intended to be used as product specifications.

Properties

- Swell fast and easy to use
- Good thickener in fabric softener formulation
- Good conditioning properties
- Safety to use
- Preservative free

Applications

- Fabric softener
- Home care product

Formula Guidelines

Dosage: 0.1-5.0%

Cautions

Recommendations will be AQUAGEL C45 mixture 5% aqueous solution, then add into formula system, joining temperature no more than 45 °C.

If not diluted, may be due to the rapid thickening caused by uneven dispersion, affect the use.

Storage & Handling

Standard Packing: 60 kg/drum

Storage: Keep in Cool, Dry, Ventilated and Lightless Place, keep away from fire seat. The storage temperature: 10-35°C.

Shelf life: 12 months

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