

CATIONIC CONDITIONERS

Product Bulletin



GUAR 13S

INCI Name

GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE

Description

GUAR 13S is a quaternized water-soluble derivative from natural guar gum. It can form a “free breathing” film on hair and skin, and generate good protection, moisturization, condition and lubricity. It is easily dispersed in water due to extra surface treatment.

Specification

Parameter	Value
Appearance	Yellowish powder
pH value (25 °C, 1%soln.)	5.0~7.0
Viscosity (25°C, 1%soln, mPa·s)	≥2500
Nitrogen content (%)	1.3~1.6
Loss on drying (105 °C, 2h, %)	≤12.0

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

Properties

- Affinitive to keratin of hair and skin
- Reduce irritation to skin and hair caused by surfactants
- Good suspending and thickening effect
- Form a “free breath” film on hair and skin with protection
- Excellent anti-static and conditioning performance.
- Improve dry&wet combability of hair.
- Impart hair gloss, moisturization, silky-feeling

and manageability.

- Good compatibility with anionic, cationic, nonionic and amphoteric emulsifier

Applications

2 in 1 shampoo, conditioner, hair treatment

Hand soap, body wash, facial Cleanser, skin lotion and cream

Formula Guidelines

Typically used at a level of 0.1~0.5%.

Pre-prepare aqueous solution of 2% GUAR 13S, then mix with surfactant solution at 70-75°C while stirring. A little alkali can be added to accelerate swelling.

Storage & Handling

Standard Packing: 25kg/drum

Storage: Keep in Cool, Dry, Ventilated and Lightless Place.

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