

**iQUAT GUAR 14S**

**INCI Name (US):** Guar Hydroxypropyltrimonium Chloride

**INCI Name (EU):** Guar Hydroxypropyltrimonium Chloride

**CAS #:** 65497-29-2

**General Information/  
Characteristics:** **iQuat Guar 14S** 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.

**Benefits / Application:**
Benefits:

- Affinitive to keratin of hair and skin
- Reduce irritation to skin and hair caused by surfactants
- Good suspending and thickening effect
- Form a “free breathing” 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.

**Formulations Advices:**

Dosage: Typically used at a level of 0.1~0.5%.

Pre-prepare aqueous solution of 2% **iQuat Guar 14S**, then mix with surfactant solution at 70-75°C while stirring. A little citric acid can be added to accelerate swelling.

**Regulatory Status:**

No applicable

**Physical-Chemical  
Properties:**

Appearance	Powder
Color:	Yellowish
pH 1% Soln (25 °C)	7.0 – 11.0
Viscosity (1% Soln)	Min. 2500 mPa.s
Loss on drying (%)	Max. 12.0 %
Nitrogen content (%)	Min. 1.3 %

*\*These values indicate typical specification; they are not intended to be used as product specifications*

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**Additives:** Preservatives: No applicable

**Storage/ Almacenamiento:** Keep in cool, dry, ventilated and lightless place.

**Shelf life/ Vencimiento:** 24 months from manufacturing date.

**Packaging:** 25 or 50 Kg/ drum

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