

**iQUAT PQ 10 EASY**

**INCI Name (US):** Polyquaternium 10

**INCI Name (EU):** Polyquaternium 10

**CAS #:** 68610-92-4

**General Information/  
Characteristics:**

**iQuat PQ 10 Easy** acts as a thickening and anti-static agent. It is a high quality cationic hydroxyethyl cellulose derivative which is very substantive to skin and hair.

Major advantages:

- ♦ Provides a dust-free work environment:  
For the existing powder type PQ-10, its production process makes dust inevitably due to physical appearance, which may cause hostile working environment and even occupational asthma. Our newly developed chip type PQ-10 enables to improve such unfriendly working environment remarkably.
- ♦ Improving production process: Pre-mixing not required.

Quality improvement: Purity and color improvement.  
The existing powder type PQ-10 includes 0.2-0.3% content of Glyoxal as dispersant. Our non-Glyoxal chip type PQ-10 enable to improve the purity and color as shown in the table below:

	Powder Type (0.2 % of Glyoxal)	Chip Type (Non-Glyoxal)
Color (APHA)	26	20
Purity (Glyoxal content)	2,000–3,000 ppm	Zero

**Benefits / Application:**

Benefits:

- ♦ Soluble well without lump at 40 ~ 70°C of high temperature as well as room temperature
- ♦ Very substantive to skin/hair
- ♦ Moisturizing, lustering effect
- ♦ Protein-like effect from cationic natural cellulose
- ♦ Smooth & fine texture and easy combing & styling

Distributed by Cospatech LLC – 3470 NW 82 AVE – SUITE 770 – 33122 FLORIDA – USA – Ph: +1-305-499-9572 Fax:+1-305-499-9577 – info@cospatech.com

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- ♦ Protect & strengthen damaged hair
- ♦ Anti-static effect
- ♦ Useful as thickener
- ♦ Stable with various inorganic salts & over a wide pH range.

Applications:

- ♦ Shampoos and hair conditioner
- ♦ Shaving products
- ♦ Bath and shower gels
- ♦ Skin and hair creams and lotions
- ♦ Personal care products for infants

**Formulations Advices:**

Dosage: 0.2 – 0.6 %

**Physico-Chemical Properties:**

Aspect	Chips
Color	Light yellow
pH	5.0 – 7.0
Viscosity	300 – 500 cps
Dry loss (105°C/2 h)	Max. 8.0 %
Nitrogen	1.7 – 2.2 %
Ash (NaCl)	Max. 3.0 %

**Shelf Life / Storage Conditions**

36 months if stored at room temperature in a cool, well-ventilated, dry area away from heat, sparks or fire.

Packing: 6Kg Cardboard box (One pallet : 162kg)

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