



514, 6th Floor, Adamji Bldg., 413, Narshi Natha Street, Mumbai - 400 009. (INDIA).

Tel. : 0091-22-2343 9093 | Fax : 0091-22-6634 9992 | E-mail : [info@hajexports.com](mailto:info@hajexports.com) | Web : [www.hajexports.com](http://www.hajexports.com)

## HAJ PQ 6

*C 106/merquat 100*

**CTFA (INCI) Designation: Polyquaternium 6**

### PRODUCT DESCRIPTION

These cationic polymers are ingredients which have been developed specifically for cosmetic and personal care products. Their high solubility in water and compatibility with a lot of cosmetic compounds make PQ 6 easy to use materials.

Chemical name: **Homopolymer of diallyl dimethyl ammonium chloride.**

### PRODUCT CHARACTERISTICS

#### Liquid Polyquaternium 6

PQ6 is a ready to use aqueous solution. It contains 0.1 % methylparaben and 0.02 % propylparaben.

Appearance	Liquid
Color APHA	≤ 50
Odor	Very slight
Active Content	39 – 41 %
pH (as supplied)	6 - 7
Viscosity (as supplied)	8000 – 12000 cps*
Shelf Life	12 months

\* Brookfield LVT-12 rpm spindle 4

### PRODUCT BULLETIN

#### COSMETIC APPLICATIONS

- Clear and colourless cosmetic products
- Ease of incorporation in formulations due to complete water solubility
- Improved foam stability
- Total compatibility with non-ionic and amphoteric materials

In hair care products, PQ 6 is used for:

- reducing static and flyaway
- improving wet and dry combingability
- increasing shine, softness and body

In skin care products (face and body care), PQ 6

- improve the spreadability and the application of the product
- give the skin a soft, velvety and non greasy after-feel

#### CONCENTRATION USE

PQ 6 should be used at concentrations from 0.3 to 5 %. It should be added in the aqueous phase.

#### TOXICOLOGICAL DATA

##### PQ 6

Eye irritation potential (pure product): non irritant

Skin irritation potential (pure product):very slightly irritant

#### STORAGE

PQ 6 should be stored at a temperature < 35°C.

#### PACKAGING

PQ 6 is available in 25 kg carbouys

## Formulation Guidelines

1.

### Hair rinse lotion - for damaged hair

Ingredients	% w/w
PQ 6	0.9
Perfume	QS
Preservatives	QS
Citric acid	QS pH 5
Water	QS 100

#### Manufacturing Procedure

Mix well PQ 6 with water, preservative and perfume. Adjust pH .

2.

### Body lotion - for dry skin

Ingredients	% w/w
Ethanol	2.0
Polysorbate 20	0.3
PQ 6	1.0
Perfume	QS
Preservatives	QS
Citric acid	QS pH 5.5
Water	QS 100

#### Manufacturing Procedure

Mix well all ingredients in water. Add perfume and preservatives. Adjust pH

3.

### Non alcoholic – Body lotion for dry skin.

Ingredients	% w/w
Propylene Glycol	1.9
Urea	0.5
Polysorbate 20	1.0
PQ 6	1.4
Perfume	QS
Preservatives	QS
Citric acid	QS pH 5.5
Water	QS 100

#### Manufacturing Procedure

Mix well all ingredients in water. Add perfume and preservatives. Adjust pH.