

## Polyquaternium-7

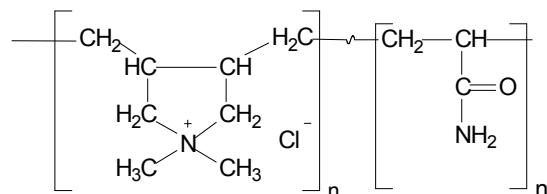
**Chemical Name:** 2-propen-1-aminium, N,N-Dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamamide

**CAS No.:** 26590-05-6

**Molecular formula :**  $(C_8H_{16}N \cdot C_3H_5NO \cdot Cl)_x$

**Molecular weight :**  $1.5 \times 10^6 \sim 3.0 \times 10^6$

**Structural formula:**



### Property:

Highly charged cationic copolymers developed improve compatibility and clarity in anionic surfactant systems. These copolymers are recommended to improve wet and dry properties of hair care products, and to enhance feel in skin care products.

### Specification:

Appearance	clear colorless viscous liquid
Solid(%)	10±0.5%
P.H(1% water solution 25℃)	5-8
Viscosity	8000-15000CPS(25℃)

### Application:

1. Efficiently used in shampoo. Strengthen and stabilize the foam of shampoo. Contribute luster and a soft, silky feel. Suggested concentration is 0.5~5%.
2. Contribute the hair easy to comb and keep the frizzle firm during hair-set process with the hair dressings and lotions. Suggested concentration is about 1~5%
3. For use in skin care such as shaving cream, bath form and deodorant. Suggested concentration is about 0.5~5%.

### Packing and storage:

1. 150kgs or 200kgs net in plastic drum
2. keep in dry and airy place. Get out of raying. Shelf life: 1 year
3. please seal it after opening