

# Polyquaternium-7

INCI Polyquaternium-7  
CAS 26590-05-6

## SPECIFICATION

Aspect liquid viscous  
Color colorless to light yellow, transparent

## GENERAL INFORMATION

Polyquaternium-7 (PQ7) is a quaternary ammonium compound, which is considered as safe for use in cosmetics and personal care products.

Polyquaternium-7 is extensively used as a cationic conditioner for haircare. It also finds application in skincare as an effective moisturizing ingredient in a wide range of beauty products.

## FORMULATION

Used to reduce the drying effect of the formulation on your skin and hair, PQ7 as a conditioner imparts a soft and smooth skin feel.

Due to its anti-static, film forming and conditioning property, PQ7 is used extensively in haircare and personal care products. Polyquaternium-7 supports smooth and shiny hair and is considered an excellent detangler.

PQ7 gives a thick consistency to the product formulation and has a rich foam-forming ability which makes it an ideal choice to be used in bath and cleaning products.

Prevents frizz effects by reducing static electricity, neutralizing the electrical charge on a surface.

Recommended percentages:

Hair care, 1-3%  
Skin care, 1-5%

Including Polyquaternium 7 in the process cooling phase

Soluble in water, glycerin and propylene glycol

## BENEFITS

- Antistatic
- Film-forming agent
- Thickener and stabilizer
- Excellent for rinse-off formulations, for hair sprays and leave-in conditioners
- Stable in pH 3 to 12
- Compatible with anionic, cationic, amphoteric and non-ionic surfactants

## APPLICATIONS

Cosmetics

- Hair care
- Skin care
- Antiperspirants and deodorants
- Sun care

## PACKAGING & SHELF LIFE

### Available packaging

175 kg drums

### Shelf life

12 months under proper storage conditions