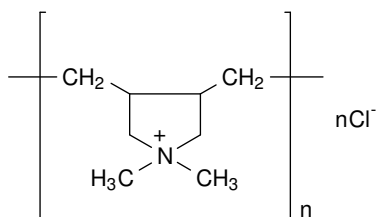


Conditioner P6

Conditioning agent



Chemical and physical characteristics (*)

Chemical Name	Dimethyldiallyl ammonium chloride homopolymer
INCI NAME	Polyquaternium-6
CAS No.	26062-79-3
Appearance	Light yellow viscous liquid
Dry content (%)	37.5 min.
pH (as is)	6.0-7.0
Viscosity (mPa·s) (Brookfield RV, 20 rpm, 25°C)	9000-13000

(*) Typical values not qualified for quality control purpose

Applications

CONDITIONER P6 is an aqueous solution of a highly cationic homopolymer of dimethyldiallyl ammonium chloride. It can be used both in hair-care and in skin-care products such as:

- ✓ conditioning shampoos
- ✓ post-shampoo rinse and non-rinse conditioners
- ✓ hair dyeing products
- ✓ perm lotions
- ✓ shower gels and bath foams
- ✓ liquid soaps
- ✓ shaving creams and lotions
- ✓ antiperspirant and deodorants

Hair-care

CONDITIONER P6 can be employed in hair-care thanks to its very high substantivity to hair without build-up. Used in shampoos, rinse and non-rinse conditioners, perm lotions and dyes it confers excellent conditioning properties improving wet and dry combing without greasy feel and

providing luster to the dry hair; furthermore it stabilizes foam. CONDITIONER P6 can alleviate the potential damage on hair fibre due to cosmetic treatments. In dyeing formulations it enhances dispersion and substantivity of dyes on hair.

Skin-care

When used in toiletry products intended for the body as well as in skin-care formulations as shaving lotions and creams, CONDITIONER P6 imparts to the skin a soft and velvety long-lasting feel.

CONDITIONER P6 can also improve the activity of antiperspirant and deodorant products.

Use

CONDITIONER P6 is compatible with nonionic and amphoteric ingredients but not with anionic. Thus, toiletry products where it is intended to be used must not contain anionic surfactants.

CONDITIONER P6 can be added during any step of the production process. The dosage depends on the intended use; generally inclusion level is 0.5-5%.

Toxicological information

LD ₅₀ (oral)	> 5000 mg/kg
Acute skin irritation (rabbit)	non irritant
Acute eye irritation (rabbit)	non irritant

Transport, storage and handling

Labelling: product not classified as hazardous according to international transport regulations.

Avoid contact with skin, eyes and mucous membranes. In case of contact, wash immediately with plenty of water. Store in the original closed containers at room temperature (5-30 °C). Protect from frost.

For further information please refer to safety data sheet.

The information contained in this data sheet is based on our present and best knowledge. However we make no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular use or purpose. Consequently the product must be tested by the user according to his needs and his production and application conditions and purposes. Neither do we assume any responsibility for infringement of third parties patent rights which may arise from the use of the product. For industrial use only.