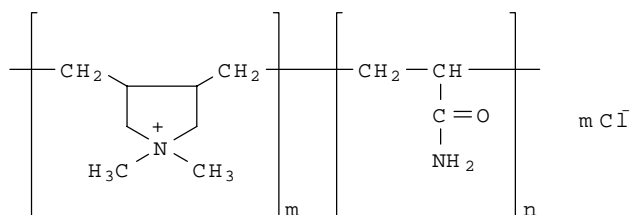


Conditioner P7

Conditioning Agent



Chemical and Physical Characteristics (*)

Chemical Name	Acrylamide/Dimethyldiallyl ammonium chloride copolymer
INCI Name	Polyquaternium-7
Appearance	Colourless viscous liquid
Dry content %	8.5-9.5
pH (as is)	6.5-7.5
Viscosity at 25°C (mPa·s) (Brookfield RV, 10 rpm, 25°C)	7000-15000

(*) Typical values not qualified for quality control purpose

Applications

CONDITIONER P7 is an aqueous solution of a high molecular weight cationic copolymer. Due to its unique distribution of non-ionic (AA) and cationic monomer (DMAAC), it has a very good compatibility with many anionic surfactants. CONDITIONER P7 can be used both in hair-care and in skin-care products such as:

- conditioning shampoos;
- post-shampoo rinse conditioners;
- styling gels;
- hair dyeing products;
- shower gels and bath foams;
- liquid soaps;
- shaving creams and lotions.

Hair-care

CONDITIONER P7 can be used in hair care due to its good substantivity to hair without build-up. Used in shampoos, it confers conditioning properties. It improves both wet and dry combing without a greasy feel. Furthermore, it stabilizes foam. It can alleviate the potential damage to hair fiber due to surfactants.

CONDITIONER P7 can be used in styling gels as well as in post-shampoo rinse conditioners.

Skin-care

Toiletry products intended for the body can take advantage of the high degree of substantivity to keratin of CONDITIONER P7. These include shower gels, liquid soaps, bath foams and skin-care formulations, as well as shaving lotions and creams. Its effect on skin is to provide a soft and velvety long-lasting feel.

Use

After the addition of CONDITIONER P7 to a blend of anionic surfactants, the water-soluble polymeric salt complex that forms can give a slight cloudiness. This disappears with agitation. It is advisable to add CONDITIONER P7 into the water phase or into the finished product rather than directly into surfactants. The compatibility with anionic surfactants extends over a wide range of pH but it is recommended to test it in your specific application.

The use level of CONDITIONER P7 depends on the formulation; general use level is 2-5%.

Toxicological Information

LD50 (oral)	> 5000 mg/kg
Acute skin irritation (rabbit)	non-irritant
Acute eye irritation (rabbit)	non-irritant

Transport, Storage and Handling

Labeling: Product is 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 freezing.

For further information, please refer to safety data sheet.

The information in this data sheet is based on our present and best knowledge. 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. USA.JP.CondP7.0901



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