



山东鲁岳化工有限公司

Shandong Luyue Chemical Co., Ltd

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Polyquaternium-7

Alias: DADMAC/AM copolymer、DMAAC/AM copolymer

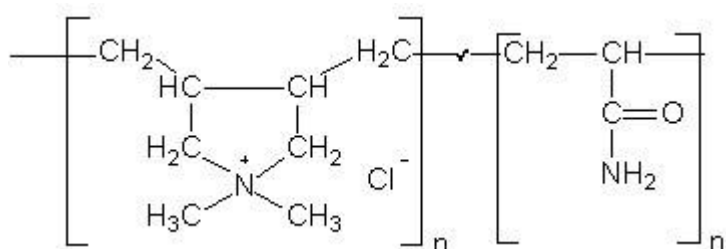
CAS name: 2-propen-1-aminium, N,N-Dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamamide

CAS No.: 26590-05-6

Molecular formula: (C₈H₁₆N·C₃H₅NO·Cl)_x

Molecular weight: 1.5×10⁶~3.0×10⁶

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

Code Item	LY PQ-71	LY PQ-72	LY PQ-73	LY PQ-74	LY PQ-75	LY PQ-76
Appearance	clear, transparent, viscose liquid					
Color(APHA)	15 max	15 max	15 max	15 max	15 max	15 max
Solid,%	8.5-9.5	8.5-9.5	8.8-9.8	8.5-9.5	8.8-9.8	41-45
pH	6.0-7.5	6.0-7.5	3.3-4.5	6.0-7.5	3.3-4.5	3.3-4.5
Viscosity, cps	7500-1500 0 (#4@12rp m,25°C)	7500-1500 0 (#4@12rp m,25°C)	7500-1500 0 (#4@12rp m,25°C)	9000-1500 0 (#4@12rp m,25°C)	9000-1500 0 (#4@12rp m,25°C)	1200-2200 (#4@12rp m,25°C)
pH stability range	3-12					
Molecular Weight (GPC)	1.6×10 ⁶	1.6×10 ⁶	1.6×10 ⁶	2.6×10 ⁶	2.6×10 ⁶	1.2×10 ⁵
Residual acrylamide, ppm	≤10	≤1	≤1	≤1	≤1	≤10

Our Promise: Sincere Business, First-Grade Quality, First-Class Service and Double Win.



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Use:

A. Hair Care Products : Relaxers, Bleaches, Dyes, Shampoos, Conditioners, Styling Products, and Permanent Waves.

- 1.Contributes luster and a soft, silky feel; Provide rich, creamy foam to shampoos
- 2.Provides excellent slip, lubricity and snag-free wet compatibility without excessive buildup
- 3.Imparts excellent dry compatibility
- 4.Panel studies document excellent hair softness and wet hair feel during washing, rinsing and after rinsing
- 5.Helps hold curls without flaking
6. Suggested starting concentration: 1.0%(LY PQ-71; LY PQ-72; LY PQ-73; LY PQ-74; LY PQ-75), 0.25%(LY PQ-76)

B. Skin Care Products : Moisturizing Creams, Lotions, Bath Gels, Liquid Soaps, Soap Bars, Shaving Products, and Deodorants.

- 1.Imparts a smooth, velvety feel; reduces tightness after drying skin
- 2.Provides excellent moisturization
- 3.Contributes lubricity which can help make skin care products easier to apply
- 4.Liquid cleansing products acquire richer foam with improved stability
- 5.Suggested starting concentration: 1.0%(LY PQ-71; LY PQ-72; LY PQ-73; LY PQ-74; LY PQ-75), 0.25%(LY PQ-76)

Toxicity:

It is non-toxic, irritant to eyes and skin, oral LD50 for mouse is 39.8 g/kg(M550).

Package& Storage:

125kg PE Drum, 200kg PE Drum, 1000kg IBC Tank.

Pack and preserve the product in a sealed, cool and dry condition, and avoid contacting strong oxidants.

The term of validity: Two years.

Transportation: Non-dangerous goods.