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HAJ PQ 39

Name	HAJ PQ 39
Synonyms	AA/DMDAAC/AM copolymer; Dimethyldiallylammonium chloride acrylic acid acrylamide copolymer
Molecular Formula	(C ₃ H ₄ O ₂) _p .(C ₈ H ₁₆ CIN) _n .(C ₃ H ₅ NO) _m
CAS Registry Number	25136-75-8
INCI Name	Polyquaternium-39

Hajquat 39 polymer is a ampholytic terpolymer that is compatible with anionic and amphoteric surfactants. Hajquat 39 polymer is ideally suited for liquid cleansing products. In skin care formulations, it provides silky skin feel and moisturization. In hair care formulations, it provides excellent wet and dry combing properties. Hajquat 39polymer is also paraben free.

TYPICAL PROPERTIES AND CHARACTERISTICS	
Appearance	Clear viscous liquid
Odour	Mild, Aldehydic
Colour , APHA	15 max
Total solids%	09.7 -10.7
pH	3.3-4.5
pH stability range	3-12
Brookfield viscosity, cps LVF spindle #5@ 30rpm,25 ⁰ C	2000-12000

Hair Care Products

Curl Activators, Bleaches, Dyes, Shampoos, Conditioners, Styling Products and Permanent Waves:

- Contributes luster and a soft, silky feel
- Provides excellent slip, lubricity and snag-free wet combability without excessive buildup
- Imparts excellent dry combability
- Adds sheen to dry hair
- Reduces static
- Non-flaking
- Helps hold curls without flaking
- Compatible with most anionic and amphoteric surfactants
- Provides conditioning properties for products with extreme pH ranges
- Suggested starting concentration: 1.0% as-supplied

Skin Care Products

Moisturizing Creams, Lotions, Bath Gels, Liquid Soaps, Soap Bars, Shaving Products, Antiperspirants, Deodorants and Sun Care Products:

- Provides excellent moisturization
- Imparts a smooth, velvety feel; reduces tightness after drying skin
- Contributes lubricity which can help make skin care products easier to apply
- Reduces irritation from liquid skin cleansing products
- Liquid cleansing products acquire richer, thicker foam with improved stability
- Suggested starting concentration: 1.0% as-supplied