

POLYQUATERNIUM-39

INCI	Polyquaternium-39
CAS	25136-75-8

SPECIFICATION

Aspect	viscous liquid
Color	colorless transparent

GENERAL INFORMATION

Polyquaternium-39 is an amphoteric polymer, with high charge density, moisture, and pH for a wide range (3-14).

These copolymers are recommended to improve the wet and dry properties of hair care products and to enhance the feel of skincare products.

FORMULATION

Polyquaternium-39 provides excellent glide, lubrication and wet compatibility without excessive build-up.

Therefore Polyquaternium-39 is used in a wide variety of hair care products: relaxers, bleaches, dyes, shampoos, conditioners, styling products, and permanent waves.

Polyquaternium-39 is also used in shampoos for damaged hair, as it contributes to shine and a soft, silky feel.

Moreover Polyquaternium-39 will enhance foam quality for a rich, creamy lather.

Excellent for maintaining curls without flaking.

Polyquaternium-39 can also be used in skin care products to give a smooth and velvety feel.

Recommended percentages:

Usage in hair care, 2-4%

Usage in skin care, 1-3%

Solubility: Soluble in water in all proportions; Soluble in hydroalcoholic solutions containing up to 40% ethanol.

In most formulations, it should be added to the water before the other ingredients. Good compatibility with anionic surfactants.

BENEFITS

- Compatible with cold process which reduces cycle time and energy requirements
- Wide pH range
- Antistatic
- Film forming
- Non-flaking
- Irritation reduction property (Reduces irritation from surfactants)

APPLICATIONS

Cosmetics

- Hair care: Bleaches, dyes, shampoos, conditioners, styling products and permanent waves
- Skin care: Moisturizing creams, lotions, face cleansing
- Toiletries: Shower & bath, oral care, shaving products, deodorants, liquid soaps, soap bars
- Sun care: Sun protection, after-sun & self-tanning products

PACKAGING & SHELF LIFE

Available packaging

190kg plastic drum

Shelf life

12 months under proper storage conditions