TECHNICAL DATA SHEET

SUNQUART CAP 50

Quaternary compound
Emulsifier, antistatic, conditioning effect

REV.:00/00

INCI
Palmitamidopropyltrimonium chloride

CAS
51277-96-4

EINECS
257-104-6

COSING FUNCTION
ANTISTATIC
HAIR CONDITIONING

CHEMICAL GROUP
Cationic surfactant

RECOMMENDATION OF USE
1-2%

NATURALITY INDEX
0.92

DESCRIPTION
Palmitoamidopropyltrimethylammonium chloride is an innovative quaternary, as it is obtained through the quaternization of an amidated base, product of the reaction between DMAPA and palmitic acid. It belongs to the class of amidoquats and is different from the regular quaternaries on the market, due to the presence of the amidopropyl group, which increases the value of HLB. As it has a higher HLB value than conventional quaternaries, it is possible to use a lower concentration with similar results.

BENEFITS
Sunquart CAP 50 has the property of adsorbing itself on the hair surface. That adsorption results in the antistatic effect that with the lubricity transmitted by the adsorption of its long hydrophobic chain, promote the conditioning of the hair fibers, making them easy to comb in both wet and dry conditions. The repulsion between the positive charges of the adsorbed films of the Sunquart CAP 50 on the nearby wires lead to an increase of the space between them and, consequently, the sensation of softness. Due to the adsorption of Sunquart CAP 50 on the hair surface, the lipophilic nature of the hair changes, allowing a greater deposition of fatty and emollient materials, substances that contribute synergistically to the conditioning effect of the Sunquart CAP 50.

APPLICATION
Hair care: conditioners, hair regenerators, fixatives, treatment lotions and hair creams.

CHEMICAL PHYSICAL SPECIFICATION

Analytical Data	Specification	Unit
Appearance (25°C)	Liquid	
Color	Colorless to yellowish	
Free Amine	0.0000 / 0.8000	%
Active Substance Cationic	48.0000 / 52.0000	%
Moulds	Máx. 100	Col/g
Bacteria	Máx. 100	Col/g