



Kao Corporation, S.A

Member of Kao Chemicals Europe

Puig dels Tudons, 10 -E-08210 Barberà del Vallès

Phone : +34 93 739 93 00

E-mail : marketing@kao.es

Fax : +34 93 739 93 77

Web : www.kaochemicals-eu.com



APROVADO

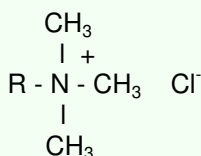
Dep. Qualidade

QUARTAMIN® AB

- Conditioning agent
- Anti-static effect
- Hair care application
- Vegetable origin

Cationic surfactant that performs as conditioning agent in hair rinse preparations

CHEMICAL IDENTIFICATION



R : C₂₀22

INCI Name : Behentrimonium Chloride

CAS Number : 68607-24-9

TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (20°C) :	White solid in pellets	KCSA-258
ODOUR :	Characteristic	KCSA-267
ACTIVE MATTER (% , Ew=401) :	78 - 84	KCSA-003
SOLVENT (% , Isopropanol) :	14 – 20	KCSA-110
ACID VALUE (mg KOH/g) :	2 max.	KCSA-125
TOTAL AMINE VALUE (mg KOH/g) :	2 max.	KCSA-124



QUARTAMIN® AB

TYPICAL PROPERTIES

DENSITY (60°C, g/mL) :	0.600 approx.
SOLUBILITY IN WATER :	Dispersible / Not soluble
MELTING POINT (°C) :	60°C approx.
WATER CONTENT (%) :	3 max.
ALKYL CHAIN :	Arachyl – Behenyl
CHARACTER :	Cationic

APPLICATION PROPERTIES

- QUARTAMIN® AB performs as antistatic, softener and conditioner in hair rinse formulations and can also be used as conditioning additive for “2 in 1” shampoos.
- It is compatible with cationic, non-ionic and amphoteric surfactants, and it can be mixed with them in different compositions.
- QUARTAMIN® AB as other quaternary ammonium salts shouldn't be compatible with soaps and anionic surfactants, but it has been checked that using it as additive (0.5% max.), some transparent and stable final products can be obtained, depending on the composition of the shampoo.

STORAGE – HANDLING – SHELF LIFE

- QUARTAMIN® AB is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- Keep protected from air and humidity. Due to its hygroscopic properties it is advisable to maintain the packaging well closed to avoid water adsorption or solvent evaporation.
- The shelf life of QUARTAMIN® AB can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (odour, appearance, colour, pH...), should be checked before using it.
- For safety reasons, QUARTAMIN® AB must be stored in areas with good ventilation and conditioned for flammable products.
- Storage temperature must be always below 40°C.

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