



Product information

Cationic Surfactant

dated on May 11, 2010.

『 BTAC P7580KC 』

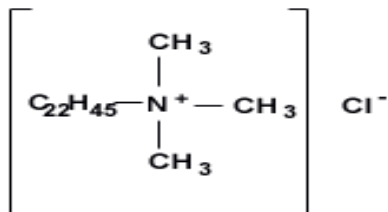
► Description

BTAC P7580KC dissolves in alcohol and warm water. It used as strong conditioning agent, antistatic agent, detergent and softening agent. It has good compatibility with other cationic and nonionic surfactants. It reacts with anionic surfactants by forming electroneutral salts. These are soluble in water but stable solutions can be obtained by using an excess of an anionic compound.

► General Characteristics

General characteristics	: Cationic surfactant
Classification	: Quaternary ammonium compound, surfactant
H.S Code No.	: 3402.12-0000
INCI Name	: Behentrimonium Chloride
C.A.S No.	: 17301-53-0

► Chemical Structure



► Typical Data:

Appearance	: Pellet type
Activity	: 78 - 81 %
pH (5% soln)	: 5.0 - 8.0 (H ₂ O/IPA = 1/1, 5% Solution)
Amine HCL	: 1.0 % max
Free Amine	: 1.0 % max
Color (Gardner)	: G3 max
Ash	: 0.2% max
Heavy metal(Pb)	: 10 ppm max
Arsenic	: 2 ppm max
Solvent	: 17 - 19 %(Isopropyl alcohol)
Moisture	: 1 - 2 %

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dated on May 31, 2010.

▶ Property

- Superior lubrication from long C22 alkyl chain
- High concentrated product easy to apply to various formulations
- Various solvent including Ethanol, Isopropanol, Dipropylene glycol

▶ Suggested usage concentration

0.5 ~ 5% BTAC P7580KC

▶ **Packing** : 20kg carton box.

▶ **Shelf life** : 12months after delivery.

▶ Formulation : <Hair Conditioner>

Ingredients	Wt. %
Part A	
Water	to 100.00
Part B	
Cetyl Alcohol	1.5
BTAC P7580KC	1.5
CTAC 30KC	1.0
Propylene glycol	1.0
Part C	
Extracts/Oils	q.s
Fragrance	q.s
Preservative	q.s

Heat the water of part A to 65℃.

Mix Cetyl alcohol, BTAC P7580KC, CTAC 30KC, and Propylene glycol, heat to 65℃.

Add Part B to Part A with agitation, and cool to 50℃, add Part C.