

BTAC
Cationic Antistatic Agents & Softeners

Behentrimonium Chloride (BTAC) is the core ingredient of daily chemical high-efficiency antistatic softener, hair conditioner and clothing care agent.

1.Product Composition

Product Name:	Calcium Thioglycolate;Depil; Calcium thioglycolate trihydrate
CAS Number:	17301-53-0
Molecular Formula:	C ₂₅ H ₅₄ ClN
Molecular Weight:	404.25

2.Product Indicators

Test	Specification
Appearance	Slightly yellow to white granular solid
Odor(25°C, Sense of smell)	Characteristic odor
Active Content (%)	76-82
Free amine content (%)	Max.10
PH value (1% aqueous solution)	6.0-8.0
Ammonium salt (KOHmg/g)	Max.0.5
Isopropyl alcohol content (%)	Max.20
Moisture (%)	Max.2.5
Ash content(%)	Max.0.4
Color (APHA)	Max200

4.Features & Applications

Behentrimonium Chloride (BTAC) is a conditioning agent for hair care products in daily chemicals. It can be adsorbed on the surface of hair to neutralize static electricity, reduce frizziness, and improve smoothness. It is also an emulsifier for skin care products, improving texture and enhancing skin softness. In fabric softeners, it can give fabrics a soft effect and reduce static electricity adsorption of dust. Its advantages are mildness, low irritation, wide adaptability, multiple functions such as conditioning and emulsification, and stability in a wide pH range, which is convenient for product storage and production.

5.Safety & Protection

This product is a hazardous chemical. It is recommended to wear protective gloves and goggles when handling it. Avoid long-term contact with skin and eyes. If contact occurs, rinse immediately with plenty of water. Store in a cool, dry and ventilated place, away from light, airtight, away from fire, heat sources, strong oxidants and reducing agents. Store it as a general industrial product. It can be used for 12 months from the date of production. For detailed toxicity and handling information, please refer to the product's safety data sheet (SDS).