



Technical Data Sheet

Benzalkonium Chloride(BKC/BAC/1227)

Alkyl Benzyl Dimethyl Ammonium Chloride/Dodecyl Dimethyl Benzyl ammonium Chloride

CAS No.: 8001-54-5 or 63449-41-2, 139-07-1



Product Description

- Benzalkonium Chloride is a kind of cationic surfactant, a nonoxidizing biocide.
- It can efficiently kill bacteria and algae ,and control the algae reproduction and sludge growth.
- Benzalkonium Chloride also has dispersing and penetrating properties, can penetrate and remove sludge and algae, has advantages of low toxicity.
- no toxicity accumulation, soluble in water, convenient to use, unaffected by water hardness.

Specification:

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Appearance	Colorless to yellowish transparent liquid	Colorless to yellowish transparent liquid
Active content %	48-52	78-82
Amine salt %	2.0 max	2.0 max
pH(1% water solution)	6.0~8.0(origin)	6.0-8.0
	normal	good fluidity



Usage

- Assay is 50%, it can be used as bactericide, mildew inhibitor, softener, antistatic agent, emulsifier, regulator.
- Sterilization algacide: used in circulating cooling water, water for power plant and water injection system of oil fields.
- Disinfectant & bactericide: used for medical operation and medical appliance; food processing equipments; sugar making industry; silkworm raising sites etc.

Packing and Storage

Item	Packing	Quantity/FCL	N.W./FCL	G.W./FCL
95%	25Kgs/Bag	480Bags	12.00MT	12.24MT
80%	200Kgs/Plastic Drum	80Drums	16.00MT	16.80MT
50%	200Kgs/Plastic Drum	80Drums	16.00MT	16.80MT

- BKC is chemically stable at different temperatures for a long period of time under suitable storage conditions(20 centi-degree) temperature,closed drum,etc).No special care is needed.
- As recommendation, it is advisable to store the product no longer than two year.

Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Corrosive Solid, Acid, Organic, n.o.s. (Benzalkonium Chloride) UNNA: 1760 PG: II

Special Provisions for Transport: Not available.

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