

VENUS ETHOXYETHERS PVT. LTD.

Leading Manufacturers of Surfactants & Other Chemicals

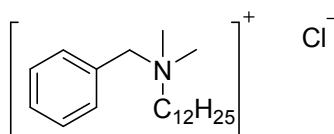
TECHNICAL DATA SHEET

Product Name: Benzalkonium Chloride (80% soln.)

Chemical Name: Dodecyl Dimethyl Benzyl Ammonium Chloride (80% soln.)

Other Names: BKC (80%)

Structure:



SPECIFICATIONS

Appearance: Colourless to pale straw liquid

Solid Content: 78-82%

Free Amine: 1% max

Odour: mild almond

Solubility: Soluble in water and common organic solvents

pH (5% w/w): 7.5(±1)

CAS No.: 68424-85-1

Properties: Benzalkonium Chloride is a quaternary ammonium class of cationic surfactants. It is readily soluble in water, ethanol, acetone and other solvents. Standard products are manufactured as 50% or 80% solutions in water. It is non-toxic, non-corrosive, non-tainting and non-staining. BKC safely incorporates both, microbiocidal & detergency properties into products.

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Applications: BKC has wide range of applications in various industry sectors.

| Industry | BKC Applications |
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| Aquaculture | Used for water treatment as a disinfectant for aquaculture. Prevents infectious diseases in fish, inhibits algal growth and kills fungus. |
| Chemical Industry | Various applications as an emulsifier/De-emulsifier, precipitating agent, phase transfer catalyst etc. |
| Detergents & Sanitizers | Used in formulation of disinfectants & detergents for personal hygiene, hospital, livestock and food and dairy use. |
| Food and Beverage | Wide applications in formulation of cleaning liquids/sanitizers in all foods related industries. Eg. Dairy, breweries, fisheries, bottling plants, hotel industry and other food-related industries. |
| Household & Horticulture | Used in the preparation and cleaning of surfaces in greenhouses, roofing, paths, wooden surfaces, sheds, masonry etc. Highly effective against moulds, mildew, moss, fungus and algae. |
| Leather Industry | Used as a facilitator for leather softening, wetting and dyeing. Also effective as leather preservative against moulds and mildew on hides. |
| Oil and Gas | Used as a De-emulsifier/sludge breaker for enhanced oil extraction and as a pipeline corrosion inhibitor. Prevents formation of sulphurous gases. |
| Pharmaceuticals & Cosmetics | Used in various topical and ocular products as a preservative and to optimize emolliency and substantivity. |
| Polymer & Coatings | Widely used as an anti-static agent, emulsifier and as a preservative in coatings such as in paints, wood treatment and in electronics. |
| Paper and Pulp | Used as a general microbiocide for slime and odour control and for improved paper handling. Imparts strength and antistatic properties. |
| Timber | Used as an effective, safe and biodegradable biocide for wood protection. Also effective against other organisms that destroy wood. |
| Textile | Used as moth repellents and permanent retarders in dyeing of acrylic fibres. |
| Water treatment | Used in water and effluent treatment and in formulations of algaecides for swimming pools. |