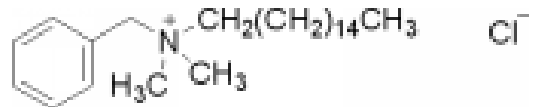


# Quaternary ammonium compounds

## Products Description

**Name :** **Benzyl dimethylhexadecyl Ammonium Chloride**



**Catalog Number :** 619502, 100g

**Structure :** CAS: [122-18-9];

**Molecular Weight :** MW= 396.1

**Properties:** Freely soluble  
pH : 6.0 - 8.5 (10% sol.)  
Corrosive

16-BAC ; Cetalkonium chloride;  
N-hexadecyl-N,N-dimethyl Benzenemethaninium, Chloride; cloruro de cetalconio; Chlorure de cetalkonium  
Benzyl dimethylhexadecyl ammonium chloride; Benzyl n-hexadecyl dimethyl ammonium chloride; Cetol;  
Benzyl dimethylhexadecyl ammonium chloride, hydrate; N-Hexadecyl-N,N-dimethylbenzenemethaninium chloride; Alkyl C-16 benzyl dimethyl ammonium chloride;

Avoid shock and frictions  
S26-45-60-61

**Storage:** Room temperature (Z)

## Technical and Scientific Information

- General description and applications

Quaternary ammonium compounds are any of a group of ammonium salts in which organic radicals have been substituted for all four hydrogens of the original ammonium cation. They have a central nitrogen atom which is joined to four organic radicals and one acid radical. The organic radicals may be alkyl, aryl, or aralkyl, and the nitrogen can be part of a ring system. They are prepared by treatment of an amine with an alkylating agent. They show a variety of physical, chemical, and biological properties and most compounds are soluble in water and strong electrolytes. Such compounds include:

Benzalkonium Chloride ( CAS RN: 8001-54-5)  
Benzethonium Chloride CAS 121-54-0  
Cetalkonium Chloride( CAS 122-18-9)  
Cetrimide ( CAS 8044-71-1)  
Cetrimonium Bromide ( CAS 57-09-0)  
Cetylpyridinium Chloride (CAS 123-03-5)  
Stearalkonium Chloride ( CAS 122-19-0)

They have properties of disrupting micro-organisms' cell processes and surfactants. These compounds are used as:

Active Ingredient for Conditioners  
Antistatic Agent  
Detergent Sanitisers  
Softener for textiles and paper products  
Phase Transfer Catalyst  
Antimicrobials  
Disinfection Agents And Sanitizers  
Slimicidal Agents  
Algaecide  
Emulsifying Agents  
Pigment Dispersers

Contact your local distributor Uptima, powered by

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## Related / associated products and documents

[PH-BB002c](#) Detergents and extraction solutions

See [Product highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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