Quaternary ammonium compounds

Products Description

<table>
<thead>
<tr>
<th>Name</th>
<th>BenzylidimethylhexadecylAmmonium Chloride</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>619502, 100g</td>
</tr>
<tr>
<td>Structure</td>
<td>CAS: [122-18-9];</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>MW= 396.1</td>
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</tbody>
</table>
| Properties | Freely soluble  
 PH: 6.0 - 8.5 (10% sol.)  
 Corrosive |
| Storage | Room temperature |

16-BAC ; Cetalkonium chloride;  
N-hexadecyl-N,N-dimethyl Benzenemethaminium, Chloride; cloruro de cetalconio; Chlorure de cetalkonium  
Benzylidimethylhexadecylammonium chloride; Benzyl n-hexadecyl dimethylammonium chloride; Cetol;  
Benzylidimethylhexadecylammonium chloride, hydrate; N-Hexadecyl- 
N,N-dimethylbenzenemethanaminium chloride; Alkyl C-16 
benzylidimethyl ammonium chloride;

Avoid shock and frictions  
S26-45-60-61

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, ary1, 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  
- Softner 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).

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