



Specification

Concerning Product:	
Article number	85409229AT100
Trade name / designation / denomination	Benzalkoniumchlorid 100%
CAS number	85409-22-9
Other names / synonyms	•Barquat MS-100; •Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides;
EC number	287-089-1
Customs tariff number / CN code / TARIC	34021200
Molecular weight [g / mol]	339.99
Danger    UN 1759, 8, II	
Toxic if swallowed. Causes severe skin burns and eye damage. Very toxic to aquatic life. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/physician.	

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance	20°C	Powder	
Odour		aromatic	
Physical parameter			
Flash point	Pensky-Martens, c.c.	≥ 100,0	°C
pH value		(1% in H ₂ O) 5,0 – 8,0	
Bulk density		350,0	kg/m ³
Solubility		soluble in water, approx. 250.0 g/l (20°C	
Identity			
Assay	Titration, MW 408	≥ 98,5	%
Melting Point (identity)		48	°C
Impurities			
Volatile substances		Amine Hydrochloride (MW 280) ≤ 1,0	%
Volatile substances		Free Amine (MW 245) ≤ 1,0	%
Microbiological data			
Yeast and Mould		The fungicidal activity of Benzalkoniumchloride 100% has been demonstrated in presence of Trichophyton interdigitale	

Supplemental information:

Comment: compatible with inorganic builders and nonionic surfactants, not compatible with anionics.

Excellent hard water tolerance for sanitizing. Excellent hard surface disinfection. Excellent hard water solubility.

Storage conditions: Benzalkoniumchloride 100% is supplied in fiber drums holding 25 kgs net. It can be stored in the sealed original drum over a period of two years.

Usage: Hospital Area Disinfection. General Disinfection. General Sanitizing. Algae Control for Swimming Pools. Active ingredient for toilet bowls.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 30. Sep. 2022

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