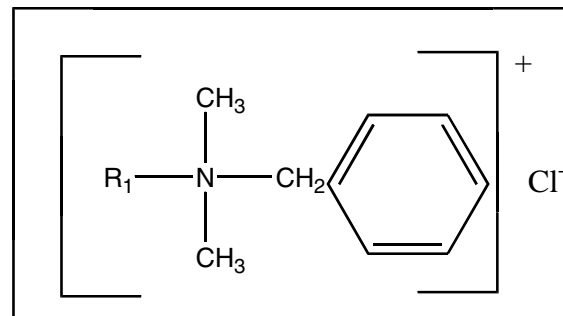


BARQUAT[®] MB-50

BARQUAT[®] MB-80

Quaternary Ammonium Compounds
EPA Registered



Barquat[®] MB-50 and Barquat[®] MB-80 are blends of alkyl dimethyl benzyl ammonium chlorides. When used as an active ingredient in FIFRA¹ registered formulations such as hard surface disinfectants, sanitizers and/or certain types of water treatment formulations, these products have been found to provide superior biocidal action against a broad spectrum of microbial organisms such as: bacteria, fungi, viruses, and algae. This “first” generation quaternary ammonium compound delivers potent germicidal action in most applications.

Typical Chemical Composition

	<u>Barquat[®] MB-50</u>	<u>Barquat[®] MB-80</u>
Active Ingredients		
Alkyl (C ₁₄ 50%, C ₁₆ 10%, C ₁₂ 40%) Dimethyl Benzyl Ammonium Chloride	50%	80%
<u>Inert Ingredients</u>		
Ethyl alcohol	10%	10%
Water	40%	10%

Typical Properties

Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Color (APHA)	125 Max.	200 Max.
pH (10% solution)	6.5-8.3	6.5-8.3
Flash Point (Setaflash, °F)	107	111
Average Molecular Weight	357	357
Specific Gravity @ 25°C	0.96	0.94
Density in lbs./gal.	8.0	7.8
Freezing Point, °F	15	25

¹ FIFRA – Federal Insecticide, Fungicide and Rodenticide Act

The seller makes no warranty, expressed or implied, concerning the accuracy of any results to be obtained from the use of this information and no warranty is expressed or implied concerning the use of these products other than indicated within. The buyer assumes all risks of use and/or handling. No statement is intended or should be construed as a recommendation to infringe any patent

Printed in the USA

Revised 11-20-2009 Supersedes 11-29-07

Physical State

Clear, pale yellow to straw liquid with a mild odor. Congealing may occur during prolonged storage at low temperatures; this is reversible on warming with mixing.

Solubility

Freely soluble in water, lower alcohols, ketones and glycols.

Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

Regulatory

EPA Registration No.:

Barquat® MB-50

6836-2

Barquat® MB-80

6836-14

Canadian Pesticide Control No:

21895

20380

CAS No.:

68424-85-1

68424-85-1

California Registered:

Yes

Yes

Barquat® MB-50 and Barquat® MB-80 are permitted for use as indirect food contact surface sanitizers as noted in 40 CFR 180.940(a)

Barquat® MB-50 and Barquat® MB-80 are permitted by the FDA for use in paper slimicide formulations as noted in 21 CFR 176.300.

The components of Barquat® MB-50 and Barquat® MB-80 are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

Applications

Barquat® MB-50 and Barquat® MB-80 have been incorporated into a substantial number of Lonza EPA registered formulations. These formulations include but are not limited to: disinfectants, sanitizers, and industrial water treatment.

For more information on Lonza's extensive portfolio of EPA registered formulations and our Supplemental Registration Program please e-mail Technical Service Hotline at contact.allendale@lonza.com or call (800) 365-TECH (8324).