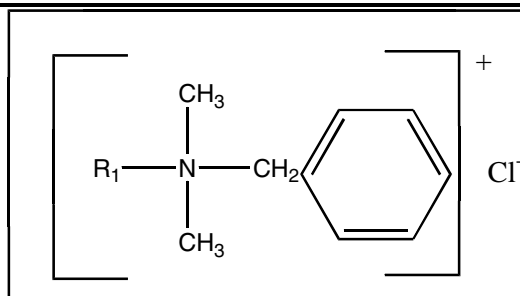


BARQUAT[®] MX-50

BARQUAT[®] MX-80

Quaternary Ammonium Compounds
EPA Registered



Barquat[®] MX-50 and Barquat[®] MX-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[®] MX-50</u>	<u>Barquat[®] MX-80</u>
Active Ingredients		
Alkyl (C ₁₄ 60%, C ₁₆ 30%, C ₁₂ 5%, C ₁₈ 5%)		
Dimethyl Benzyl Ammonium Chloride	50%	80%
<u>Inert Ingredients</u>		
Ethyl alcohol	6%	10%
Water	44%	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	0.940
Density in lbs./gal.	8.01	7.84
Freezing Point, °F	23	.41

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.

¹ FIFRA – Federal Insecticide, Fungicide and Rodenticide Act

Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

<u>Regulatory</u>	<u>Barquat® MX-50</u>	<u>Barquat® MX-80</u>
EPA Registration No.:	6836-36	6836-35
Canadian Pesticide Control No:	-----	-----
CAS No.:	68424-85-1	68424-85-1
California Registered:	No	No

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

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

Application

Barquat® MX-50 and Barquat® MX-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 call our Technical Service Hotline at (800) 365-TECH (8324).

Signature Page

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