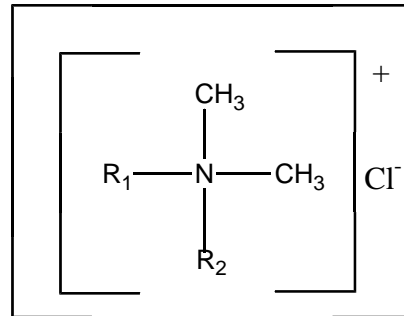
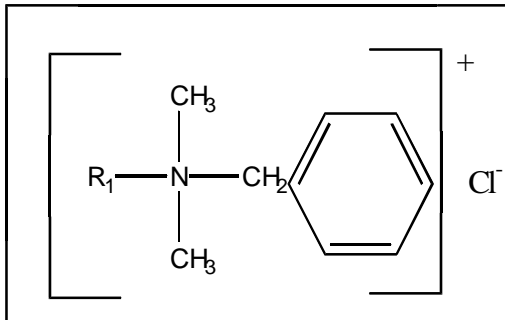


BARDAC[®] 205M

BARDAC[®] 208M

Quaternary Ammonium Compounds
EPA Registered



Bardac 205M and 208M are blends of twin chain quaternary ammonium compounds and alkyl dimethyl benzyl ammonium chloride. 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 “fourth” generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

Typical Chemical Composition

Active Ingredients

Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%)

	<u>Bardac 205M</u>	<u>Bardac 208M</u>
Dimethyl Benzyl Ammonium Chloride	20%	32%
Octyl decyl dimethyl ammonium chloride	15%	24%
Diocetyl dimethyl ammonium chloride	6%	9.6%
Didecyl dimethyl ammonium chloride	9%	14.4%

Inert Ingredients

Ethyl alcohol	10%	10%
Water	40%	10%

¹ FIFRA – Federal Insecticide, Fungicide and Rodenticide Act

Typical Properties

Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Color (APHA)	150 Max.	200 Max.
pH (10% solution)	6.5-9.0	6.5-9.0
Flash Point (Setaflash, °F)	118	116
Average Molecular Weight	342	342
Specific Gravity @ 25°C	0.946	0.912
Density in lbs./gal.	7.89	7.61
Freezing Point, °F	-12	-4

Physical State

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

Bardac 205M

6836-66

Bardac 208M

6836-67

Canadian Pesticide Control No.:

21723

21726

CAS No.:

68424-95-3 &
68424-85-1

68424-95-3 &
68424-85-1

California Registered:

Yes

Yes

Bardac 205M and Bardac 208M are permitted by the FDA for use as no rinse, food contact sanitizers at 150-400 ppm active, as noted in 21CFR178.1010.

The components of Bardac 205M and Bardac 208M are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

Application

Bardac 205M and 208M 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).