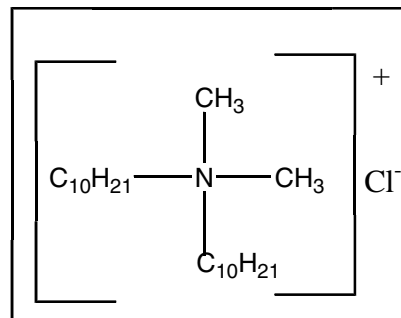


BARDAC[®] 2250

BARDAC[®] 2280

Quaternary Ammonium Compounds
EPA Registered



Bardac 2250 and 2280 are twin chain dimethyl 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 “third” generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

Typical Chemical Composition

	<u>Bardac 2250</u>	<u>Bardac 2280</u>
Active Ingredients		
Didecyl dimethyl 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)	200 Max.	250 Max.
pH (10% solution)	6.5 - 9.0	6.5 - 9.0
Flash Point (Setaflash, °F)	109	107
Average Molecular Weight	361	361
Specific Gravity @ 25°C	0.927	0.891
Density in lbs./gal.	7.73	7.43
Freezing Point, °F	12	50

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.

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

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Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

<u>Regulatory</u>	<u>Bardac 2250</u>	<u>Bardac 2280</u>
EPA Registration No.:	6836-51	6836-53
Canadian Pesticide Control No.:	21893	20321
CAS No.:	7173-51-5	7173-51-5
California Registered:	Yes	Yes

Bardac 2250 and Bardac 2280 are permitted by the FDA for use as no rinse, food contact sanitizers at 150 ppm active, as noted in 21 CFR Part 178.1010.

The components of Bardac 2250 and Bardac 2280 are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

Application

Bardac 2250 and 2280 have been incorporated into 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).