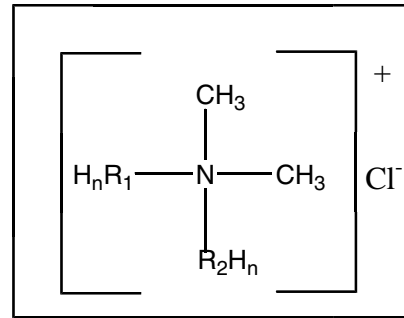


BARDAC[®] 2050

BARDAC[®] 2080

Blend of Dimethyl Ammonium Chlorides
EPA Registered



Bardac[®] 2050 and Bardac[®] 2080 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[®] 2050</u>	<u>Bardac[®] 2080</u>
Active Ingredients		
Octyl decyl dimethyl ammonium chloride	25%	40%
Diocetyl dimethyl ammonium chloride	10%	16%
Didecyl dimethyl ammonium chloride	15%	24%
Inert Ingredients		
Water	40%	10%
Ethyl alcohol	10%	10%

Typical Properties

Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Color (APHA)	200 Max.	250 Max.
pH (10% active solution)	6.5-9.0	6.5-9.0
Flash Point (Setaflash, °F)	109	107
Average Molecular Weight	332	332
Specific Gravity @ 25°C	0.925	0.891
Density in lbs./gal.	7.71	7.44
Freezing Point, °F	32	50

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.

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

Solubility

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

Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

<u>Regulatory</u>	<u>Bardac® 2050</u>	<u>Bardac® 2080</u>
EPA Registration No.:	6836-52	6836-54
Canadian Pesticide Control No.:	21899	21897
CAS No.:	68424-95-3	68424-95-3
California Registered:	Yes	Yes

Bardac® 2050 and Bardac® 2080 are permitted for use as an indirect food contact surface sanitizers as noted in 40 CFR Part 180.940(a).

The components of Bardac® 2050 and Bardac® 2080 are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

Application

Bardac® 2050 and Bardac® 2080 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).