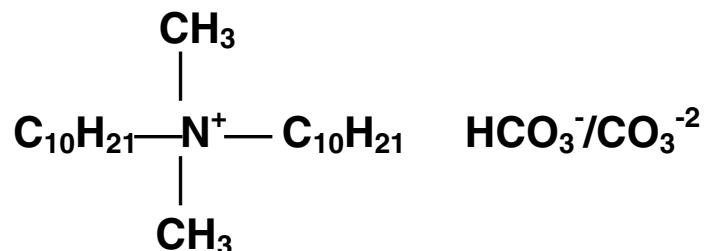


**BARDAC<sup>®</sup> 22c50**

Bardac<sup>®</sup> 22c50 is Didecyl dimethyl ammonium carbonate and Didecyl dimethyl ammonium bicarbonate. This advanced quaternary ammonium compound is a technologically differentiated, research developed manufacturing use product. Its intended use as an active ingredient raw material for antimicrobial end use formulations such as disinfectants and sanitizers used on hard, non porous surfaces. Bardac<sup>®</sup> 22c50 is 100% soluble; exhibits broad spectrum micro efficacy in hard water and in the presence of organic soil; is non-corrosive to most metals and will protect many metal surfaces from corrosion; requires little or no additional sequestering agents for optimal performance; has typical foaming characteristics; is compatible with typical nonionic surfactants, many dyes and fragrances.

**Physical Properties**

Appearance at 25°C	Clear to Pale Yellow Liquid
% Quat (MW = 380)	48.5 – 51.5
Free Amine, wt%	≤ 1.5
pH (as is)	9 - 11
Turbidity (NTU) at 25°C NMT	25
Color, Gardner	4
Analytical methods are available upon request.	

**Typical Properties**

Viscosity	350 cps at 21°C
Specific Gravity	0.96 at 25°C

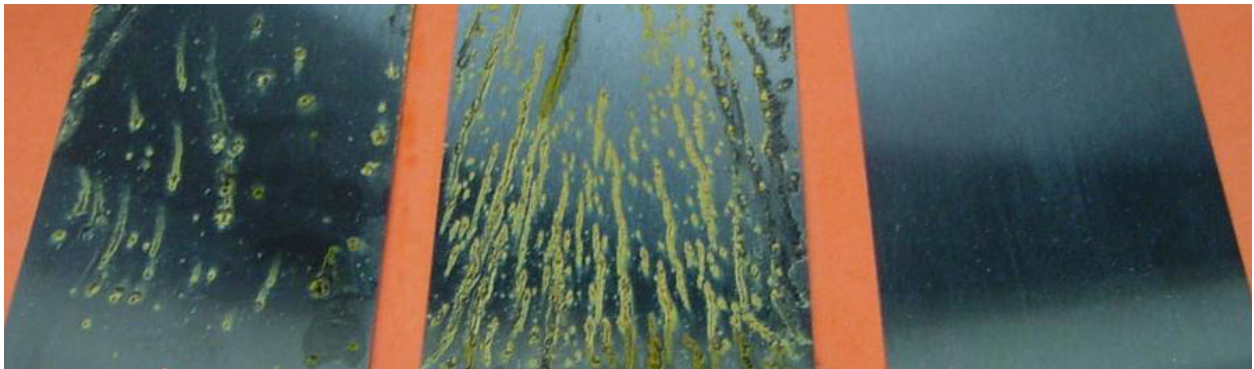
**Registration**

This product is registered under FIFRA with the EPA under the EPA Registration number 6836-236 and can only be used as directed by the label instructions.

## Features

Bardac<sup>®</sup> 22c50 exhibits excellent corrosion inhibition properties on steel, iron, aluminum, brass, copper and other metals.

**Corrosion Results:** 1010 Steel coupons held in contact with aluminum in deionized water are shown below. The results demonstrate the effectiveness of Bardac<sup>®</sup> 22c50 against galvanic corrosion.



**DI Water Control  
No Galvanic Contact**

**DI Water Control  
Steel/Aluminum Contact**

**0.1% Bardac<sup>®</sup> 22c50  
Steel/Aluminum Contact**

## Solubility

Bardac<sup>®</sup> 22c50 is freely soluble in water, lower alcohols, ketones and glycols.

## Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

## Storage

Maximum storage temperature 140°F; Keep containers closed when not in use.

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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