

## Product Information

# Bardac-2170P

The Quat with low tendency to foam.

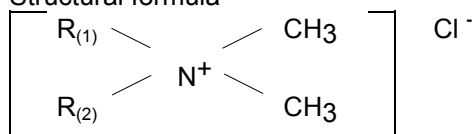
Broad spectrum of biocidal activity against both gram positive and gram negative organisms.

Superior fungicide. Excellent algacide. Safe at use concentrations.

### 1. Active matter

N-Decyl-N-isononyl-N,N-dimethylammoniumchloride

Structural formula



R(1) = decyl

R(2) = isononyl

1.1 CAS No.: 138698-36-9

1.2 EINECS No.: 270-331-5

1.3 UN No.: 2922

### 2. Specifications

2.1	Assay Quat (MW 330)	70.0 - 72.0 %
2.2	free Amine + Amine HCl	1.8 % max.
2.3	NaCl	0.2 % max.
2.4	pH 10 % aqueous solution in dist. H <sub>2</sub> O	6.5 - 9.0
2.5	Colour, Apha	200 max.

### 3. Properties

3.1	Appearance	clear, slightly yellow liquid
3.2	Odour	aromatic
3.3	Density (25°C)	0.93 g/ml
3.4	Viscosity (Method SOP 12.5/1, 25°C)	< 150 cps
3.5	Average Molecular weight	347
3.6	Flash Point (Method SOP 12.6/2, Abel Pensky cc)	93°C
3.7	Surface tension (1% aqueous solution)	33 mN/m
3.8	Ionogenicity	cationic
3.9	Freeze thaw stability	good
3.10	Solubility	soluble in water
3.11	Compatibility	not compatible with anionics
3.12	Setting point	- 5°C
3.13	Solvent	
3.13.1	Propyleneglycol	10.0 - 12.0 %
3.13.2	Water (Method KF, DIN)	11.0 - 20.0 %

### 4. Registrations

The product is listed in the following inventories:  
European Inventory of Existing Chemical Substances (EINECS)

### 5. Antimicrobial efficacy

#### 5.1 BACTERIA

The bactericidal efficacy has been tested and shown according to the following test procedures:  
DGHM (Germany) -- AOAC (USA) -- AFNOR (France) --

## 5.2 ALGAE

The algaecidal concentration of BARDAC-2170 P was shown to be as follows:

Strain	concentration
Chlorella pyrenoidosa	30 ppm
Phormidium innundatum	7.5 ppm
Arizona mustard	30 ppm

## 6. Other investigations

Information available upon request

## 7. Use areas

Disinfectant and disinfectant cleaner.

Agriculture applications, food and dairy industry.

Water treatment (swimming pools, cooling towers, etc).

Mechanical disinfection of surgical instruments in washing machines.

## 8. Recommendations to formulate

Incompatible with anionic detergents.

## 9. Analytical procedures

Titration (LONZA Method DR 67)

## 10. Storage

Product is supplied in polyethylene drums holding 192 kgs net.

It can be stored in the sealed original drum over a period of two years.

## 11. Regulatory information

refer to MSDS

## 12. Toxicological information

refer to MSDS

## 13. Ecological and ecotoxicological information

refer to MSDS

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