

Product Information

Bardac-LF-70

The Quat with unusual and exiting performance characteristics.

Lowest tendency to foam.

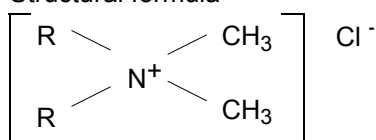
Broad spectrum of biocidal activity against both gram positive and gram negative organisms.

Algaestatic and algaecidal performance at economical use concentrations.

Toxicological and ecological documentation.

1. Active matter

N,N-Dioctyl-N,N-dimethylammoniumchloride
Structural formula



R = C₈ H₁₇

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|-----|-------------|-----------|
| 1.1 | CAS No.: | 5538-94-3 |
| 1.2 | EINECS No.: | 226-901-0 |
| 1.3 | UN No.: | 2920 |

2. Specifications

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|-----|---------------------------|--------------|
| 2.1 | Appearance at 20°C | clear liquid |
| 2.2 | Colour, Apha | 200 max. |
| 2.3 | pH 1% aqueous solution | 6.5 - 8.0 |
| 2.4 | Assay (Titration, MW 312) | 70.0 - 72.0% |
| 2.5 | Free Amine + Amine HCl | 1.5 % max. |
| 2.6 | Ash | 1.0 % max. |
| 2.7 | Water, KF | 20.0 % max. |
| 2.8 | Isopropanol | 10.0 % min. |

3. Properties

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|------|--|------------------------------|
| 3.1 | Odour | aromatic |
| 3.2 | Density | 0.915 g/ml |
| 3.3 | Viscosity (Brookfield, sp.1, 10 rpm, 20°C) | 35 mPa•s |
| 3.4 | Average Molecular weight | 312 |
| 3.5 | Flash Point (Abel Pensky cc) | 30°C approx. |
| 3.6 | Surface tension (1% aqueous solution) | 27 mN/m |
| 3.7 | Ionogenicity | cationic |
| 3.8 | Freeze thaw stability | good |
| 3.9 | Solubility | soluble in water |
| 3.10 | Compatibility | not compatible with anionics |
| 3.11 | Setting point | < 5°C |

4. Registrations

- | | | |
|-------|-------------|--|
| 4.1 | Europe | European Inventory of Existing Chemical Substances (EINECS) |
| 4.1.1 | Switzerland | BAG T No. 37 774 / Toxicity class : 3 |
| 4.1.2 | France | Specified in positive list for use in food industry. |
| 4.2 | U S A | Toxic Substances Control Act (TSCA) Inventory
FDA21 CFR 178.1010 approval |
| 4.3 | Australia | Australian Inventory of Chemical Substances (AICS) |

5. Antimicrobial efficacy

5.1 BACTERIA

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

5.2 ALGAE (*Data presented is for 50% active product.*)

The algaecidal concentration of BARDAC-LF was shown to be 1- 5 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).

Slimicide (paper industry).

8. Recommendations to formulate

Incompatible with anionic detergents.

Synergistic effects in combination with aldehydes and complexing agents (e.g. EDTA).

9. Analytical procedures

Titration (ISO 2871-2)

10. Storage

Product is supplied as follows:

Type:	polyethylene drum	IBC-container	bulk
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weight net:	180 kgs	850 kgs	
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It can be stored in the sealed original packaging 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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