Lonzagroup

Product Information

Bardap-26

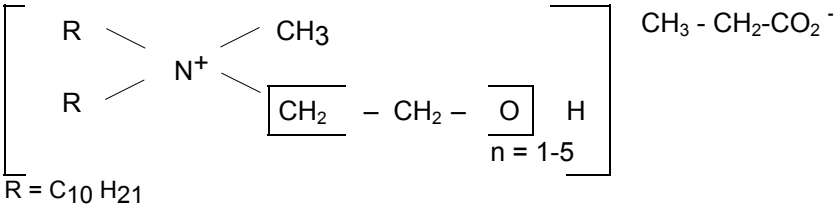
The free of chloride Quat.

Broad spectrum activity against both gram positive and gram negative bacteria.
Superior fungicide and mildewcide.
High tolerance to hard water.
Maintains efficacy in presence of heavy organic soiling such as blood and protein.
Good surfactant and wetting properties.
Low corrosive.

1. Active matter

N,N-Didecyl-N-methyl-poly(oxyethyl) ammonium propionate

Structural formular



R = $C_{10}H_{21}$

1.1	CAS No.:	107879-22-1
1.2	EINECS No.:	not applicable
1.3	UN No.:	1903

2. Specifications

2.1	Appearance at 20°C	clear liquid
2.2	Colour, Apha	200 max.
2.3	pH 1% aqueous solution	6.0 - 7.5
2.4	Assay (Titration, MW 454)	69.0 - 73.0 %
2.5	Water, KF	5.0 % max.

3. Properties

3.1	Odour	slight smell of propionic acid
3.2	Density	0.96 g/ml
3.3	Viscosity (Brookfield, sp.1, 10 rpm, 20°C)	250 mPa·s
3.4	Average Molecular weight	454
3.5	Flash Point (Abel Pensky cc)	> 100°C
3.6	Surface tension (1% aqueous solution)	31 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
3.12	Polyethylene glycol	approx. 18.0 %
3.13	Ethane-1,2 diol	approx. 10.0 %

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4. Registrations

4.1. Europe

4.1.1 Switzerland: BAG T No. 74 107/ Toxicity class : 3

5. Antimicrobial efficacy

5.1 **BACTERIA**

The bactericidal efficacy has been tested and shown according to DGHM test procedures:

5.2 **FUNGI & YEAST**

The fungicidal activity of Bardap-26 is comparable to that of Bardac-22.

5.3 **ALGAE**

The algaestatic and algaecidal activity of Bardap-26 is comparable to that of Bardac-22, i.e. Algaestatic concentration = 0.5 ppm, Algaecidal concentration =1.0 ppm

5.4 **VIRUS**

The virucidal efficacy of Bardap-26 is comparable to that of Bardac-22.

6. Other investigations

Information available upon request

7. Use areas

Disinfectant and disinfectant cleaner H, I+I applications. Water treatment (swimming pools, cooling towers etc). Wood treatment.

8. Recommendations to formulate

Incompatible with anionic detergents.
Synergistic effects in combination with aldehydes and complexing agents, e.g. EDTA.
Product is free of chloride and hence practically not corrosive in presence of the common metals.

9. Analytical procedures

Titration (ISO 2871-2)

10. Storage

Product is supplied as follows:

Type:	iron drum	polyethylene drum	IBC-container	bulk
weight net:	50 kgs	195 kgs	950 kgs	

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 ecotoxicologial information

refer to MSDS