

Product information

Lonzabac-12.30

The biocidal amine active against Tb.

Broad spectrum activity against gram positive and gram negative bacteria.

Maintains high efficacy also in presence of heavy organic soiling, such as blood and protein.

Active against enveloped viruses (eg. Hepatitis-B).

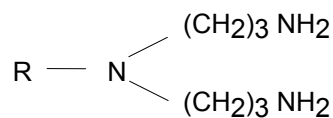
Good surfactant properties.

Compatible with selected anionic surfactants.

Toxicological and ecological documentation.

1. Active matter

Bis (3- aminopropyl) dodecylamine



R= C₁₂ H₂₅

1.1	C A S No.:	2372-82-9
1.2	EINECS-No.:	219-145-8
1.3	UN No.:	2735
1.4	INCI-Name:	1,3-Propanediamine,N-(3-aminopropyl)-N-dodecyl

2. Specifications

2.1	Appearance (20°C)	clear liquid
2.2	Colour, Apha	250 max.
2.3	Amine grade (mg KOH/g)	157 - 168
2.4	Dry substance	28.3 - 31.5 %

3. Properties

3.1	Odour	slight smell of ammonia
3.2	Density	0.967 g/ml
3.3	Viscosity (Brookfield, sp.1, 10 rpm, 23°C)	200 mPa·s
3.4	Average molecular weight	299
3.5	Surface tension (1% aqueous solution)	32 mN/m
3.6	Freeze thaw stability	good
3.7	Solubility	soluble in water and polar organic solvents
3.8	Compatibility	compatible with some nonionic, cationic and anionic surfactants NOT COMPATIBLE WITH ALDEHYDES
3.9	Setting point	≤ 5°C
3.10	pH (concentrate)	11.9
3.11	pH 1 % aqueous solution	10 - 12

4. Registrations

4.1	Europe	European Inventory of Existing Chemical Substances (EINECS)
4.1.1	Switzerland	BAG T No. 683.163 / Toxicity class : 3
4.1.2	France	Specified in positive list for Food industry
4.2	USA	Toxic Substances Control Act (TSCA) Inventory

Lonza group

5. Antimicrobial efficacy

5.1 BACTERIA

The bactericidal efficacy has been tested and shown according to the following test procedures:
AFNOR – (France) -- 5-5-5 Test (Netherlands) -- DGHM (Germany)

5.2 FUNGI + YEAST

The fungicidal activity of LONZABAC-12.30 has been demonstrated in presence of
Penicillium verrucosum
Cladosporium cladosporoides
Absidia corymbifera
Candida albicans
Aspergillus niger

5.3 ALGAE

The algaecidal concentration of LONZABAC-12.30 (at 100 % active) was shown to be 5 ppm
(Chlorella vulgaris).

5.4 VIRUS

The virucidal efficacy against Hepatitis B and HIV has been demonstrated by various tests.

6. Other investigations

Information available upon request.

7. Use areas

Disinfectant and disinfectant cleaner for hospitals, food industry, industrial kitchens,
I+I applications.
Surgical instrument disinfectant (Tb).
Bactericidal carpet shampoo.
Bactericidal ingredient for laundry detergents and treatment of textile fibers such as towels,
overalls etc.
Technical preservative for surfactants and formulations.
Industrial preservative of aerobic and anaerobic aqueous systems.

8. Recommendations to formulate

Incompatible with Aldehydes.
Increase of biocidal activity by adding NTA and/or EDTA.
Synergistic effects by combining Lonzabac-12.30 with Bardac-22 and Bardac-26.

9. Analytical procedures

LONZA Methods available upon request.

10. Storage

Product is supplied as follows:

Type:	iron drum	polyethylene drum	IBC-container	bulk
weight net:	50 kgs	180 kgs	890 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 Ecotoxicological Information

refer to MSDS