

Product Information

Lonzabac-BG

The non foaming biocide.

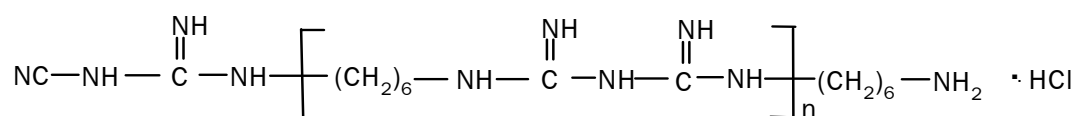
Broad spectrum activity against both gram positive and gram negative bacteria.

Registered as preservative for cosmetics within the EEC.

Safe at use concentrations.

1. Active matter

Poly (hexamethylenebiguanide) hydrochloride



1.1	CAS No.:	32289-58-0
1.2	EINECS No.:	not applicable
1.3	UN No.:	not applicable
1.4	INCI-Name:	Polyaminopropyl Biguanide

2. Specifications

2.1	Appearance	liquid, clear or practically clear, containing only traces of insoluble particles
2.1	Appearance	limpid to slightly opalescent liquid
2.2	Colour	colourless to yellowish
2.3	Density	1.039 - 1.046
2.4	pH	4.0 - 5.0
2.5	Assay (dry extract)	19.0 – 21.0 %
2.6	Absorbance (%) at 236 nm	≥ 400
2.7	Absorbance ratio $\frac{236 \text{ nm}}{220 \text{ nm}}$	1.2 – 1.6

3. Properties

3.1	Odour	not specific
3.2	Viscosity (Brookfield, sp.1, 10 rpm, 20°C)	1.50 mPa·s
3.3	Average Molecular weight	219.72 x n (n = approx. 8)
3.4	Flash Point (Abel Pensky cc)	> 100°C
3.5	Surface tension (1% aqueous solution)	57 mN/m
3.6	Ionogenicity	cationic
3.7	Freeze thaw stability	good
3.8	Solubility	soluble in water
3.9	Compatibility	compatible with nonionic surfactants and quaternary ammonium compounds, incompatible with anionic surfactants and strong alkalis.
3.10	Water	79.0 - 81.0 %
3.11	Freezing point	8.0 – 10.0 °C

4. Registrations

4.1	Europe	Polymer according to Council Directive 92/32 EEC. Listed as a preservative for cosmetics on the EEC positive list.
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5. **Use areas**
Disinfectant for hospitals and food industry.
Preservative for cosmetics.
6. **Recommendations to formulate**
Incompatible with anionic detergents.
7. **Storage**
Product is supplied in polyethylene drums holding 200 kgs net. It has to be stored in the sealed original drum. Product may crystallize when stored at temperatures below 15°C.
It can be stored in the sealed original packaging over a period of two years.
8. **Regulatory information**
refer to MSDS
9. **Toxicological information**
refer to MSDS
10. **Ecological and ecotoxicological information**
refer to MSDS

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