

Hygiene Product Catalogue



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Hygiene

Lonza is a global leader in the manufacture and supply of biocidal actives and formulations for use in a variety of hygiene applications.

Lonza supplies antimicrobial active ingredients to customers who formulate end use products. Lonza's service groups support customers with technical and regulatory assistance that can accelerate products from concept to market launch.

Lonza can also provide access to a broad portfolio of antimicrobials which is available with different levels of registration support. Development and registration of disinfectant products is time consuming, costly and can be complex. It requires product development and characterisation, microbiological testing, and registration with the relevant regulatory

authorities. This typically takes up to several years and costs up to several hundred thousand Euros.

Leveraging Lonza's regulatory expertise and experience and its microbiology and formulation capabilities, we provide ready-to-market solutions that enable our customers to access these markets faster and at lower costs.

A key benefit of using Lonza's formulations is, that the use concentration and consequently the development costs are already well-defined at the start of a market launch project, which allows reliable business planning.



Biocidal Actives

Name	Active Ingredients	Concentration	Form	Solvent	Remarks	REACH Supported	BPR Supported	Medical Device	Healthcare	Household	Industrial/ Institutional	Food Processing	Veterinary	Name
Lonzabac® 12.100	Bis(3-aminopropyl)dodecylamine	100%	Liquid	–	Tertiary amine with mycobactericidal activity	■	■	■	■	■	■	■	■	Lonzabac® 12.100
Lonzabac® 12.30	Bis(3-aminopropyl)dodecylamine	30%	Liquid	Water	Tertiary amine with mycobactericidal activity	■	■	■	■	■	■	■	■	Lonzabac® 12.30
Bardac® 114	Blend of quaternary ammonium compounds	50%	Liquid	Isopropanol, water	Unique blend for hard surface disinfection	■	■	■	■	■	■	■	■	Bardac® 114
Bardac® 205 M	Blend of quaternary ammonium compounds	50%	Liquid	Ethanol, water	Blend of QACs for hard surface disinfection	■	■	■	■	■	■	■	■	Bardac® 205 M
Bardac® 205 M(I)	Blend of quaternary ammonium compounds	50%	Liquid	Isopropanol, water	Blend of QACs for hard surface disinfection	■	■	■	■	■	■	■	■	Bardac® 205 M(I)
Bardac® 208 M	Blend of quaternary ammonium compounds	80%	Liquid	Ethanol, water	Blend of QACs for hard surface disinfection	■	■	■	■	■	■	■	■	Bardac® 208 M
Bardac® 2240	Didecyl dimethylammonium chloride	40%	Liquid	Water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 2240
Bardac® 22	Didecyl dimethylammonium chloride	50%	Liquid	Isopropanol, water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 22
Bardac® 2270	Didecyl dimethylammonium chloride	70%	Liquid	Isopropanol, water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 2270
Bardac® 2270E	Didecyl dimethylammonium chloride	70%	Liquid	Ethylene glycol, water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 2270E
Bardac® 2280	Didecyl dimethylammonium chloride	80%	Liquid	Ethanol, water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 2280
Bardac® 2280i	Didecyl dimethylammonium chloride	80%	Liquid	Isopropanol, water	Multi purpose QAC	■	■	■	■	■	■	■	■	Bardac® 2280i
Bardac® 2080	Octyldecyl dimethylammonium chloride	80%	Liquid	Ethanol, water	QAC for hard surface disinfection	■	■	■	■	■	■	■	■	Bardac® 2080
Bardap® 26	Didecyl methylpoly(oxyethyl)-ammonium propionate	70%	Liquid	Polyethylene glycol, Ethylene glycol	Chloride-free QAC	■	■	■	■	■	■	■	–	Bardap® 26
Barquat® BAC 50	Alkyl (C12–C16) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® BAC 50
Barquat® BAC 80	Alkyl (C12–C16) dimethylbenzylammonium chloride	80%	Liquid	Water, Ethanol	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® BAC 80
Barquat® CB50	Alkyl (C12–C18) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® CB50
Barquat® CB80	Alkyl (C12–C18) dimethylbenzylammonium chloride	80%	Liquid	Isopropanol, water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® CB80
Barquat® DM50	Alkyl (C12–C16) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® DM50
Barquat® DM50EP	Alkyl (C12–C16) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride - Product specification matches the specification of the European Pharmacopeia	■	■	■	■	■	■	■	■	Barquat® DM50EP
Barquat® DM80	Alkyl (C12–C16) dimethylbenzylammonium chloride	80%	Liquid	Ethanol, water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® DM80
Barquat® LB50	Alkyl (C12–C14) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride, low foaming	■	■	■	■	■	■	■	■	Barquat® LB50
Barquat® MB50	Alkyl (C12–C16) dimethylbenzylammonium chloride	50%	Liquid	Ethanol, water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® MB50
Barquat® MB50W	Alkyl (C12–C16) dimethylbenzylammonium chloride	50%	Liquid	Water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® MB50W
Barquat® MB80	Alkyl (C12–C16) dimethylbenzylammonium chloride	80%	Liquid	Ethanol, water	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® MB80
Barquat® MS100	Alkyl (C12–C14) dimethylbenzylammonium chloride	> 98.5%	Powder	–	Benzalkonium chloride	■	■	■	■	■	■	■	■	Barquat® MS100
Barquat® 4250-Z	Alkyl (C12–C18) dimethylbenzylammonium chloride and Alkyl (C12–C14) dimethylethylbenzylammonium chloride	50%	Liquid	Water	Provides superior biocidal action against a broad spectrum of microbial organisms	■	■	■	■	■	■	■	■	Barquat® 4250-Z
Barquat® 4280-Z	Alkyl (C12–C18) dimethylbenzylammonium chloride and Alkyl (C12–C14) dimethylethylbenzylammonium chloride	80%	Liquid	Ethanol, water	Provides superior biocidal action against a broad spectrum of microbial organisms	■	■	■	■	■	■	■	■	Barquat® 4280-Z
Carboquat® HE	Didecyl dimethylammonium carbonate/bicarbonate	50%	Liquid	Propylene glycol, water, methanol	Chloride-free QAC	■	■	■	■	–	–	–	–	Carboquat® HE
Cosmocil® PG	Poly(hexamethylene biguanide) hydrochloride / Polyhexanide	20%	Liquid	Water	Antimicrobial for Healthcare and pharmaceutical applications	■	■	■	–	–	–	–	–	Cosmocil® PG
Lonzabac® BG	Poly(hexamethylene biguanide) hydrochloride	20%	Liquid	Water	Broad spectrum, fast-acting bactericide and virucide, non-foaming disinfectant	■	■	■	■	■	■	■	–	Lonzabac® BG
Lonzabac® MP	Magnesium monoperoxyphthalate	100%	Powder	–	Oxygen releaser	■	–	■	–	–	–	–	–	Lonzabac® MP
Spectradyne®	Chlorhexidine digluconate	20%	Liquid	Water	Antimicrobial for healthcare applications	■	■	■	■	■	■	–	■	Spectradyne®
Vantocil® IB	Poly(hexamethylene biguanide) hydrochloride	20%	Liquid	Water	Broad spectrum, fast-acting bactericide and virucide, non-foaming disinfectant	■	■	■	■	■	■	■	■	Vantocil® IB
Vantocil® TG	Poly(hexamethylene biguanide) hydrochloride	20%	Liquid	Water	Broad spectrum, fast-acting bactericide and virucide, non-foaming disinfectant	■	■	■	■	■	■	■	■	Vantocil® TG

Preservatives

Name	Active Ingredients	Concentration	Form	Solvent	Remarks	Regulatory		Name
						REACH Supported	BPR Supported*	
Bardac® 2240	Didecyldimethylammonium chloride	40%	Liquid	Water	Aqueous solution of DDAC, with zero-VOC	–	■	Bardac® 2240
Cosmocil® CQ	Poly(hexamethylene biguanide) hydrochloride / Polyaminopropyl biguanide	20%	Liquid	Water	Antimicrobial for healthcare and ophthalmic applications	■	–	Cosmocil® CQ
Vantocil® TG	Poly(hexamethylene biguanide) hydrochloride	20%	Liquid	Water	Effective preservative, particularly suited for wet wipes	■	–	Vantocil® TG
Dantogard® 2000	Dimethylol dimethyl hydantoin	Proprietary blend	Liquid	Water	Cost effective preservative with a free formaldehyde content of less than 0.1%	■	■	Dantogard™ 2000
Dantogard Plus® liquid	Dimethylol dimethyl hydantoin + 3-Iodo-2-propynylbutylcarbamate	Proprietary blend	Liquid	Water, butylene glycol	Patented broad spectrum preservative blend, with a free formaldehyde content less than 0.1%	■	■	Dantogard Plus® liquid
Isocil® Ultra 1.5	5-Chloro-2-methyl-[2H]-isothiazol-3-one + 2-Methyl-[2H]-isothiazol-3-one	1.5%	Liquid	Water	Broad spectrum and established preservative, copper-free	■	■	Isocil® Ultra 1.5
Isocil® Ultra 14	5-Chloro-2-methyl-[2H]-isothiazol-3-one + 2-Methyl-[2H]-isothiazol-3-one	14%	Liquid	Water	Broad spectrum and established preservative, dilutable with water, copper-free	■	–	Isocil® Ultra 14
Lonzabac® 12.30	Bis(3-aminopropyl)dodecylamine	30%	Liquid	Water	Aqueous solution of triamine	–	■	Lonzabac® 12.30
Lonzaserve® ID	Dimethylol dimethyl hydantoin + 5-Chloro-2-methyl-[2H]-isothiazol-3-one	71.5%	Liquid	Water	Cost effective broad spectrum preservative blend, with a free formaldehyde content less than 0.1%	■	–	Lonzaserve® ID
Omacide® IPBC 30 DPG	3-Iodo-2-propynylbutylcarbamate	30%	Liquid	Dipropylene glycol	Established and effective fungicide	■	–	Omacide® IPBC 30 DPG
Proxel® GXL	1,2-Benzisothiazol-3[2H]-one	20%	Liquid	Dipropylene glycol	Solution of BIT in DPG to preserve products from spoilage from bacteria, yeasts and fungi	■	■	Proxel® GXL
Proxel® LV	1,2-Benzisothiazol-3[2H]-one	20%	Liquid	Dipropylene glycol, water	Low viscosity equivalent to Proxel GXL, with less glycol, lower VOC, and easier pumping	■	■	Proxel® LV
Proxel® AQ	1,2-Benzisothiazol-3[2H]-one	9.25%	Liquid	Water	Aqueous solution of BIT, offering low viscosity and zero-VOC	■	■	Proxel® AQ
Proxel® BD20	1,2-Benzisothiazol-3[2H]-one	20%	Liquid	Water	Aqueous dispersion of BIT, with zero-VOC	■	■	Proxel® BD20
Proxel® BZ	1,2-Benzisothiazol-3[2H]-one + zinc pyrithione	20%	Liquid	Water	Avoids EUH208 allergen label on end products when dosed at typical use concentrations	■	–	Proxel® BZ
Sodium Omadine® 40%	Sodium pyrithione	40%	Liquid	Water	Effective fungicide, with broad pH and heat stability	■	■	Sodium Omadine® 40%

*Lonza intends to support these products under PT6 of the Biocidal Products Regulation (BPR, EU (No) 528/2012)



Surfactants

Name	Active Ingredients	Concentration	Form	Solvent	Remarks	Regulatory		Applications						Name	
						REACH Supported	CE	Medical Device	Healthcare	Household	Industrial / Institutional	Food Processing	Veterinary		
Amphoterge® K-2N*	Disodium Cocoamphodipropionate	40%	Liquid	Water, methanol	Excellent detergency properties	■	■	■	■	■	■	■	■	■	Amphoterge® K-2N*
Barlox® 10 S*	Decyldimethylamine oxide	30%	Liquid	Water	Surfactant and multi function additive	■	■	■	■	■	■	■	■	■	Barlox® 10 S*
Barlox® 12*	Cocoalkyldimethylamine oxide	30%	Liquid	Water	Surfactant and multi function additive	■	■	■	■	■	■	■	■	■	Barlox® 12*

*This surfactant complies with the biodegradability criteria as laid down in Regulation [EC] No.648/2004 on detergents.

Name	Active Ingredients	Concentration	Form	Solvent	Remarks	Regulatory		Applications						Name	
						REACH Supported	CE	Medical Device	Healthcare	Household	Industrial / Institutional	Food Processing	Veterinary		
Aldo® LF	Blend of anti-foaming agents	–	Liquid	–	Defoaming agent for aqueous based systems	■	■	■	■	■	■	■	■	■	Aldo® LF
Bardac® LF	Dioctyldimethylammonium chloride	50%	Liquid	Ethanol, water	Low foaming QAC for medical device formulations	■	■	■	■	■	■	■	■	■	Bardac® LF
CarboShield® 1000E	Didecyl dimethyl ammonium carbonate/bicarbonate	50%	Liquid	Propylene glycol, methanol, water	Corrosion inhibitor Compatible with typical nonionic surfactants	■	■	■	■	■	■	■	■	■	CarboShield® 1000E
Lonzabac® GA	Guanidine, N,N"-1,3-propanediylbis-, N-coco alkyl derivatives, diacetates	80%	Liquid	Water, isopropanol	Compatible with nonionic surfactants and quaternary ammonium compounds	■	■	■	■	■	■	■	■	■	Lonzabac® GA
Lonzagard® Benzethoniumchloride USP	Benzethonium chloride	100%	Powder	–	Specifications meet USP requirements	■	■	■	■	■	■	■	■	■	Lonzagard® Benzethoniumchloride USP

CE Mark European Medical Device Directive 93/42/EEC Certified Formulations



Name	Active Ingredients	Concentration	Form	Function
Formulation CE-50	N,N-Bis(3-aminopropyl)dodecylamine Didecylmethylpolyoxyethylammonium propionate	13.6% 13.6%	Liquid	Disinfectant and cleaner for the manual pre-treatment of invasive and non-invasive medical devices including surgical instruments and endoscopes



Lonzagard® Formulations

Name	Active Ingredients	Concentration	Form	Function	Applications					Name	
					Regulatory	Healthcare	Household	Veterinary	Industrial / Institutional		Food & Beverage
DR-19aB	Didecylmethylammonium chloride	4.50%	Liquid	Disinfectant	■	-	-	■	■	■	DR-19aB
DR-LS-13N	N,N-Bis(3-aminopropyl)dodecylamine	6.75%	Liquid	QAC-free disinfectant cleaner	■	■	■	■	■	■	DR-LS-13N
DM 114-10	Blend of different quaternary ammonium compounds	9.90%	Liquid	Disinfectant	■	■	■	■	■	■	DM 114-10
DR-25aN	Didecylmethylammonium chloride	6.93%	Liquid	Disinfectant cleaner	■	-	■	■	■	■	DR-25aN
DR-60	Didecylmethylammonium chloride N,N-Bis(3-aminopropyl)dodecylamine	6.00% 5.00%	Liquid	Disinfectant cleaner	■	-	■	■	■	■	DR-60
DR-70	Didecylmethylammonium chloride N,N-Bis(3-aminopropyl)dodecylamine	6.50% 5.30%	Liquid	Disinfectant cleaner	■	-	■	-	-	-	DR-70
ID-50	N,N-Bis(3-aminopropyl)dodecylamine Didecylmethylpolyoxyethylammonium propionate	12.6% 12.6%	Liquid	Pre-disinfectant cleaner for medical instruments	-	■	-	■	-	-	ID-50

DR-19aB

Aldehyde-free general purpose disinfectant.

- Compatible with a wide range of materials, including PVC and aluminium
- Excellent cleaning properties
- Also registered for sale in the Netherlands

DR-LS-13N

Disinfectant cleaner based on triamine technology.

- Proven efficacy at low temperatures
- DVG and VAH compliant
- Excellent cleaning properties
- Effective against bacteria, yeast, enveloped viruses and mycobacteria (including TB)
- Does not contain VOCs, chlorine or quats

DM 114-10

Disinfectant based on a blend of three different quats.

- Supplied at neutral pH
- Compatible with sensitive materials such as acrylic glass, linoleum, PVC and anodised aluminium
- VAH compliant
- Effective against Bacteria, Yeast, Norovirus and Enveloped Viruses

DR-25aN

An aldehyde-free high performance disinfectant cleaner with outstanding microbicidal performance.

- Broad spectrum of efficacy; bacteria, yeast, fungi, enveloped & non-enveloped viruses and *C. difficile* spores*
- Cleans and disinfects in the presence of dirt, blood and proteins
- DVG and VAH compliant
- Also registered for sale in the Netherlands according to authorisation Number: 14873N

* The *C. difficile* claim does not apply in the Netherlands for Lonzagard® DR-25aN

DR-60

An aldehyde-free non-sticky disinfectant cleaner.

- Effective against Bacteria, Yeast, Enveloped Viruses and Norovirus
- A non-sticky formulation suitable for floors and other surfaces in Food & Beverage, Healthcare and Industrial & Institutional settings
- Disinfectant cleaner based upon quat and triamine technologies; therefore free of aldehyde & oxidative chemistries
- Excellent cleaning performance
- Compatible with a wide range of materials (as a concentrate & 1% aqueous dilution)

DR-70

An aldehyde-free high performance disinfectant cleaner for healthcare applications with outstanding microbicidal performance.

- Comprehensive spectrum of efficacy, including efficacy against Bacteria, Fungi, Yeast, Enveloped and Non-enveloped Viruses (including poliovirus), Spores and Mycobacteria (including TB)
- High performance in medical conditions / cleans and disinfects in the presence of dirt, blood and proteins
- Applicable across multiple fields of use in healthcare and hygiene critical settings
- Disinfectant cleaner based on triamine and quat technologies; therefore free of aldehyde & oxidative chemistries
- Excellent cleaning performance
- Compatible with a wide range of materials (as a concentrate & 1% aqueous dilution)





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