

TroyGuard™

HOUSEHOLD, INDUSTRIAL, & INSTITUTIONAL



TROY

The Gold Standard for Performance

2021
United States



TroyGuard™

**Troy Household,
Industrial, & Institutional
Preservative Selection Guide**

A World of Experience

Troy Corporation is a world leader in antimicrobials and performance additives for a broad range of markets and industries. In addition to Household, Industrial, & Institutional (HI&I) and Home & Personal Care (H&PC) markets, Troy is the technology and service leader in paints & coatings, adhesives & sealants, plastics, and many other industries. Troy brings a long history of innovation, with sound and responsible environmental, community, and corporate stewardship. Troy provides unique solutions that have been improving product performance for over 60 years.

Product Name	Use	Chemistry	Active wt. %	EINECS No.	CAS No.	Typical Use Levels (wt.%)
TroyGuard™ BC11	Antibacterial	Benzisothiazolinone (BIT) Chloromethylisothiazolinone (CMIT) Methylisothiazolinone (MIT)	10.1 0.50 0.16	220-120-9 247-500-7 220-239-6	2634-33-5 26172-55-4 2682-20-4	0.05 - 0.20
TroyGuard™ B20G	Antibacterial & Antifungal	Benzisothiazolinone (BIT)	19.18	220-120-9	2634-33-5	0.1 - 0.2
TroyGuard™ B20F	Antibacterial & Antifungal	Benzisothiazolinone (BIT)	19.18	220-120-9	2634-33-5	0.1 - 0.2
TroyGuard™ B20W	Antibacterial & Antifungal	Benzisothiazolinone (BIT)	19.18	220-120-9	2634-33-5	0.1 - 0.2
TroyGuard™ CB08	Antibacterial & Antifungal	Bronopol Chloromethylisothiazolinone (CMIT) Methylisothiazolinone (MIT)	7.10 0.81 0.26	200-143-0 247-500-7 220-239-6	52-51-7 26172-55-4 2682-20-4	0.05 - 0.20
TroyGuard™ CM1.5	Antibacterial & Antifungal	Chloromethylisothiazolinone (CMIT) Methylisothiazolinone (MIT)	1.14 0.36	247-500-7 220-239-6	26172-55-4 2682-20-4	0.05 - 0.10
TroyGuard™ CM1.5 CF	Antibacterial & Antifungal	Chloromethylisothiazolinone (CMIT) Methylisothiazolinone (MIT)	1.14 0.36	247-500-7 220-239-6	26172-55-4 2682-20-4	0.05 - 0.10
TroyGuard™ 44	Antibacterial & Antifungal	Sodium N-(Hydroxymethyl)glycinate	50	274-357-8	70161-44-3	0.15 - 0.25
TroyGuard™ BDx1	Antibacterial	Oxazolidine	73.7	257-048-2	51200-87-4	0.1 - 0.3
Mergal® 395	Antibacterial & Antifungal	DMDMH Hydroxy-5, 5-dimethylhydantoin	32.0 7.50	220-132-1 229-222-1	6440-58-0 116-25-6	0.2 - 0.5
TroyGuard™ IP06	Antifungal	Iodopropynyl Butylcarbamate (IPBC)	6.0	259-627-5	55406-53-6	0.2 - 0.5
TroyGuard™ IP20	Antifungal	Iodopropynyl Butylcarbamate (IPBC)	20.0	259-627-5	55406-53-6	0.05 - 0.15
TroyGuard™ IP99	Antifungal	Iodopropynyl Butylcarbamate (IPBC)	98.0	259-627-5	55406-53-6	0.01 - 0.03
Mergal® 530	Broad-spectrum Biocide	2,2-Dibromo-3-nitropropionamide (DBNPA)	20.0	233-539-7	10222-01-2	.001 - .005

Not all uses are approved for TroyGuard™ products currently registered in the State of California. Contact Troy for further information.



Antimicrobial Technology

Troy is known globally as *The Gold Standard for Performance*, offering products that provide the highest in surface control standards in the industry, with unique multi-active preservative technologies that outperform conventional materials. TroyGuard™ preservatives deliver the antimicrobial control manufacturers and HI&I end-users demand, with unique performance attributes that set the products apart in the market

The TroyGuard™ Advantage

TroyGuard™ products are manufactured to the strictest specifications in order to improve the performance of customer products, as well as ensure that the safety, health, and environmental profiles are unmatched in the industry.

Description	Effective pH	Suggested Applications									Product Name
		Laundry Care	Cleaners			Wet Wipes (Cleaning)	Waxes & Polishes	Raw Materials			
			Low pH	Neutral pH	High pH			Surfactants	Thickeners	Emulsions	
White to off-white liquid dispersion Fast acting with long-term protection	3 - 12	✓		✓	✓		✓			✓	TroyGuard™ BC11
Clear colorless glycol solution Stable, long-term protection	3 - 12	✓			✓		✓				TroyGuard™ B20G
White to off-white aqueous dispersion Stable, long-term protection CleanGredients™ approved	3 - 12	✓			✓		✓	✓	✓		TroyGuard™ B20F
White to off-white aqueous dispersion Stable, long-term protection	3 - 12	✓			✓		✓				TroyGuard™ B20W
Clear to pale yellow liquid Additional protection to CMIT/MIT alone	3 - 8			✓					✓		TroyGuard™ CB08
Pale green to blue liquid Reliable, low-cost preservation	3 - 8		✓	✓			✓	✓	✓	✓	TroyGuard™ CM1.5
Clear to pale yellow liquid CleanGredients approved, copper-free	3 - 8		✓	✓			✓	✓	✓	✓	TroyGuard™ CM1.5 CF
Clear to pale yellow liquid Compliant with Ecocert Detergent Standard	3 - 12	✓	✓	✓	✓	✓	✓	✓		✓	TroyGuard™ 44
Clear to pale yellow liquid Excellent for very high pH formulations	7 - 12	✓			✓						TroyGuard™ BDX1
Clear colorless liquid Low cost and easy to formulate	3 - 10	✓	✓	✓	✓			✓		✓	Mergal® 395
Clear to pale yellow liquid Patented, water-soluble fungicide	3.5 - 10			✓		✓	✓		✓	✓	TroyGuard™ IP06
Clear pale yellow liquid Reliable, low-cost fungicide	4 - 9			✓		✓	✓				TroyGuard™ IP20
Off-white press cake Highly cost-effective fungicide	4 - 9			✓		✓	✓				TroyGuard™ IP99
Colorless to amber liquid Fast dissipating biocide	N/A	Useful in the treatment of process water and raw materials to maintain proper plant hygiene.									Mergal® 530



The Gold Standard for Performance

Services

As a Performance Partner, Troy offers a variety of services to support our product line of preservatives and additives to meet customer needs and provide market solutions.

Troy invites you to take advantage of the Troy services that can help you achieve your market objectives.

- Technical Service representatives can provide formulation assistance, product evaluation, and microbiological, analytical, and field testing to assist you in developing an optimum formulation that meets your product objective.
- Regulatory support is offered globally with regional and national expertise to meet your needs.
- R&D scientists work to anticipate future industry needs and develop innovative technology. Contact your Troy representative to discuss your unique requirement that may not be met by materials currently on the market. In fact, Troy may have just what you need already under development and if not, may be able to work with you to achieve your objective.
- A global supply network is in place to ensure product availability and fast delivery. Contact your local representative to ensure the product you need is available when you need it.

Contact your nearest Troy representative for immediate assistance or visit us online at www.troycorp.com. When visiting the website, become a registered user to obtain access to a wide range of resources.

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