

TroyGuard™

Household, Industrial, & Institutional



The Gold Standard for Performance

TroyGuard™ CB08

Typical Properties					
CAS No.:	52-51-7 26172-55-4 2682-20-4	EINECS No.:	200-143-0 247-500-7 220-239-6	Assay & Active Ingredients:	7.10% (2-Bromo-2-nitro-1,3-propanediol) 0.81% (5-Chloro-2-Methyl-4-isothiazolin-3-one) 0.29% (2-Methyl-4-isothiazolin-3-one) 8.20% (Total)
Recommended Dose:	0.05 - 0.20%	pH Range:	2 - 9	Physical Form & Appearance:	Liquid, clear colorless to yellow

Description

TroyGuard CB08 is a fast-acting, synergistic formulation providing broad-spectrum antimicrobial control of bacteria, fungi, and yeast in household, industrial, & institutional (HI&I) waterborne formulations.

TroyGuard CB08 is formulated to boost the effectiveness of isothiazolinone in HI&I formulations. The preservative formulation allows greater stability of the isothiazolinone, which extends overall performance at alkaline pH. TroyGuard CB08 is a more powerful preservative than isothiazolinone alone, and is very effective in controlling bacteria such as *Pseudomonas*.

Benefits

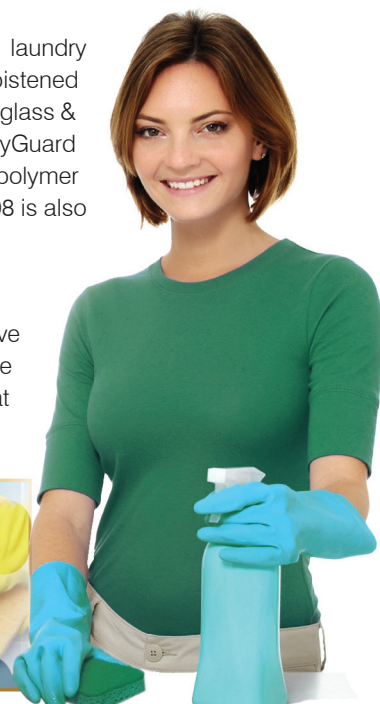
- Rapid control of repeat microbial intrusions for reduced risk of spoilage
- Protects against spoilage, malodors, & discoloration, resulting in reduced loss of product
- Long lasting in-package protection
- VOC-free
- Worldwide registrations, enabling standardization of your formulas
- Convenient, readily incorporated
- Effective in a wide array of end-use products
- Multiple uses: protects HI&I formulas and raw materials, including thickeners and polymer emulsions

Application

TroyGuard CB08 is a highly effective in-package antimicrobial for waterborne HI&I products, such as laundry detergents, fabric softeners, dish detergents, degreasers, heavy duty cleaners, solutions applied to pre-moistened mops, sponges, and wipes intended for HI&I applications. Other applications for TroyGuard CB08 include glass & metal cleaners, floor care products, bathroom & tile cleaners, and variety of other cleaning products. TroyGuard CB08 is also recommended for protecting raw materials such as starch and thickener solutions, polymer emulsions, waxes, polishes, and other water-based ingredients used in HI&I applications. TroyGuard CB08 is also effective in the recovery of spoiled materials.

Formulating Considerations

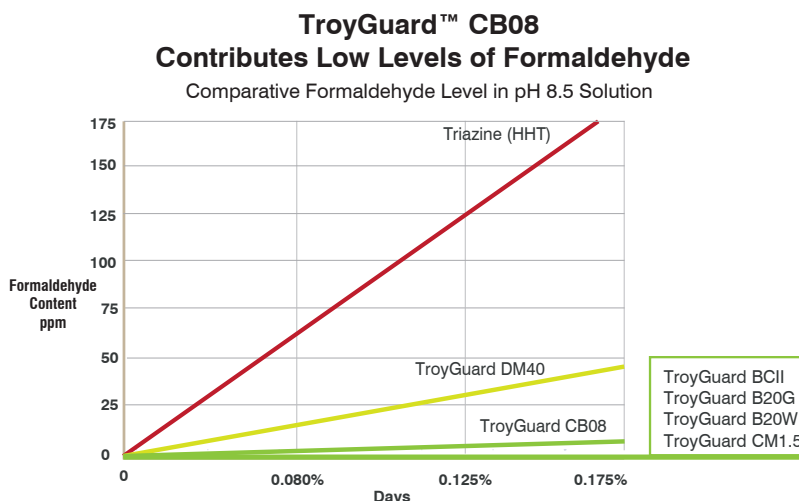
TroyGuard CB08 should be added slowly and with good agitation. To help prevent spoilage, the preservative should be added as early in the production process as possible (once temperatures and pH are within the recommended parameters). Prior to commercialization of a new formulation, it is advisable to confirm that microbiological efficacy and stability are maintained during manufacture, storage, and use.



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Low Formaldehyde

Compared with other formaldehyde adduct chemistries commonly in use, TroyGuard™ CB08 contributes very little formaldehyde.



Troy Microbiological Management Advantage Program: TMMA

Managing Microorganisms in the Production Environment

TMMA is a comprehensive system approach designed specifically for plant, process, and materials protection requirements, including the principles of good plant hygiene and preventive measures. TMMA services can also include an in-depth plant hygiene survey combined with a custom-developed wet-state preservation regimen. TMMA enables manufacturers to achieve contamination-free systems and plant operations, from raw materials to finished products. TMMA provides solutions that improve product quality and reduce cost-in-use.

For more information on TMMA, please contact your Troy representative.

**For further information on Troy's broad line of products
for household, industrial, and institutional applications,
please visit www.troycorp.com.**



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Troy Corporation • 8 Vreeland Road • Florham Park, NJ USA 07932 • 973-443-4200 • www.troycorp.com

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