



GBS™ 10% Sanitizer

EPA Registered No-Rinse Food-Contact Sanitizer, Disinfectant, Virucide, Cleaner and Deodorizer for Healthcare, Food Service, Laundry, Farm and Home

Overview

- 10% 4-Chain Quat in a neutral pH aqueous solution
- EPA Registered No-Rinse Food-Contact Sanitizer, Disinfectant, Virucide
- Synergistic 4-chain dialkyl and monoalkylbenzyl ammonium chloride combination for effective use in a wide range of applications
- Qualifies for EPA's emerging viral pathogens claims, for enveloped and large non-enveloped viruses, i.e., COVID-19 Novel Coronavirus
- Use also to control fruit flies in drains, as shoe and entryway sanitizer, for animal premises, in water and smoke damage restoration, cooling towers and systems, and oil and gas production

Regulatory

- 40 CFR Section 180.940(a) and (c)
- Appendix F of the Grade A Pasteurized Milk Ordinance 2011 Recommendations of the U. S. Public Health Service
- HFS 196, Appendix 7-204.11 of the Wisconsin Administrative Code (reference 40 CFR 180.940 (a)).

EPA Registration number: 94602-26

Technical Information

GBS™ 10% Sanitizer is an EPA registered End-Use-Product (EUP) based on the synergistic 4-chain blend of dialkyl and monoalkylbenzyl ammonium chlorides, GBS Q-15 and Q-24 Manufacturing-Use Products.

GBS 10% Sanitizer is a 10% active disinfectant and food contact sanitizer for the industry standard 1 ounce per 4 gallons dilution for a 200 ppm active sanitizer. It has been cleared for no rinse claims by the EPA in 40 CFR Section 180.940(a) and (c) for use on food processing equipment, utensils, and other food contact articles at a concentration of 200-400 ppm. Also registered as a laundry sanitizer for use in commercial, institutional and industrial laundry operations with human health pathogens claims against MRSA, HIV/HBV and emerging pathogen COVID-19.

Registered uses include Industrial/ Commercial water treatment, recirculating cooling towers, and once through systems. In Oil Field, transmission pipelines and storage wells, packer fluids and hydrotesting.

Formulary

For a wide range of applications, quat and water GBS 10% Sanitizer can be compounded from either 50% active GBS Q-15, or 80% active GBS Q-24, additionally with or without FD&C Blue #1 dye.

Typical Properties

PROPERTY	VALUE
Appearance	Colorless solution
Odor	Characteristic
Ionic character	Cationic
Water solubility	Soluble
pH (as is)	7.5±1.5
Density@25°C	0.99±0.04 g/ml
Boiling Point	Approx. 100°C
Flash point, °F	No flash <200
Storage	Freeze/thaw stable
Shelf life	2 years

Packaging and Handling

GBS 10% Sanitizer is available for Supplemental Registration.

Refer to EPA Registered Product label for complete list of applications, use sites efficacy claims and precautionary statements.

Refer to Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

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Label information:

Active Ingredients

Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆)	
dimethyl benzyl ammonium chloride	4.0%
Octyldecyldimethyl ammonium chloride	3.0%
Didecyldimethyl ammonium chloride	1.5%
Diocetyldimethyl ammonium chloride	1.5%

Inert ingredients 90.0%

Uses include:

No-Rinse Food-Contact Sanitizer
Disinfectant
Virucide
Mildewstat
Deodorizer

For use in Hospitals
Nursing Homes
Hotels & Motels
Veterinary
Restaurant
Food Handling and Process Areas
Wineries
Federally Inspected Meat and Poultry Plants
Bar and Institutional Kitchen Use
Sanitizing Ice Machines
Small Fly Ovicidal Treatment
Non-Acid Bathroom Cleaner
Laundry Sanitizer
Fabric mildew inhibitor & sanitizer
Residual Bacteriostat and Self-Sanitizing Agent under Humid or Wet Contamination Conditions
Formulated for effective Poultry Sanitation
Formulated for effective Swine Premise Sanitation
Formulated for effective Mushroom Farm Sanitation
Oil Field Water Flood/Salt Water Disposal Systems

See EPA registered label for complete list

Dilution table:

Dilution	Contact time
For Hospital or Medical Environment Disinfectant claims	
1 oz./gal. water	10 minutes
For General or Broad Spectrum Disinfectant claims	
1 oz./gal. water	10 minutes
For Public Health Virucidal* claims	
1 oz./gal. water	5 minutes
For SARS CoV-2, Human Coronavirus, HIV-1	
1 oz./gal. water	1 minute
For Norovirus, Hepatitis B Virus and Hepatitis C Virus	
2 oz./gal. water	10 minutes
For Non-Food Contact Surface Sanitizing claims	
1.2 oz./2 gal. water	3 minutes
For Food Contact Surface Sanitizing claims at 200 ppm	
1 oz./4 gal. water	1 minute
For Food Contact Surface Sanitizing claims at 400 ppm	
2 oz./4 gal. water	1 minute
For Laundry Bacteriostatic claims	
1 oz./gal. water	5 minutes
For Laundry Presoak Disinfection claims	
1 oz./gal. water	10 minutes
For Laundry Presoak Public Health Virucidal* claims	
1 oz./gal. water	5 minutes
For Laundry Presoak SARS CoV-2, Human Coronavirus, HIV-1	
1 oz./gal. water	1 minute
For Laundry Presoak Norovirus, Hepatitis B Virus and Hepatitis C Virus claims	
2 oz./gal. water	10 minutes
For Laundry Presoak Sanitization claims	
1.2 oz./gal. water	3 minutes
For Mold and Mildew claims	
1.2 oz./2 gal. water	Up to 7 days

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