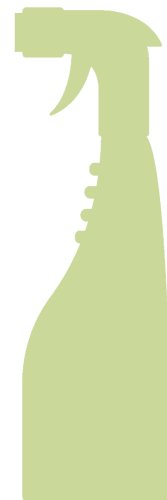
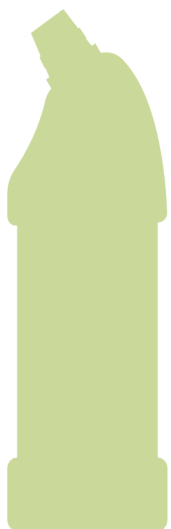


## PRODUCT GUIDE FOR **INDUSTRIAL** **BIOCIDES**



# BIOTREND® Industrial Biocides

Global Biocides Solutions, LLC

www.globalbiocidessolutions.com

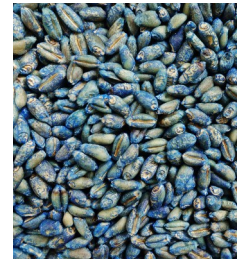
**BIOTREND®** preservatives and fungicides offer a complete range of protection for your industrial products. From paints and coatings and latex polymers and adhesives to HI&I products and agricultural pesticides and more. We specialize in cost effective solutions for all of your preservation needs. We work closely with our customers to find the right product to ensure their material is protected to the last drop. Global Biocides Solutions has emerged over the last 10 years as a reliable and respected supplier providing the highest quality products coupled with superior customer service and low costs.

Our **BIOTREND®** products are based on actives that have performed favorably over the years, while all products are labeled for their specific uses in compliance with both EPA and State requirements.

Market trends differ with all applications and as a result, formulation requirements are quite different from product to product. Our laboratory and technical service team are available to assist our customers design successful formulations against contamination and spoilage.

## In-Can Preservation

GBS's diverse range of in-can preservatives provide broad spectrum performance against spoilage in the wet state. Most aqueous products contain organic components that are susceptible to degradation including drop in pH, loss of viscosity, formation of gases, coagulation, discoloration and odors impacting product saleability and customer satisfaction. To meet modern market requirements our in-can preservatives are designed to provide our customers' with a wide range of options taking into consideration safety, pH, temperature, application, VOC and customer specific requirements.



Product Name	Function	Chemistry - Active	Application pH Range	Typical Use Level*	Form
BIOTREND® CMT1.5	Preservative, fast acting, low cost, broad spectrum, water-based zero VOC	1.5% - 2-Methyl-4-isothiazolin-3-one/Chloro-2-methyl-4-isothiazolin-3-one (CMIT/MIT)	2-9	0.04-0.15%	Liquid
BIOTREND® CMT14	Preservative, fast acting, low cost, broad spectrum, water-based zero VOC	14% - 2-Methyl-4-isothiazolin-3-one/Chloro-2-methyl-4-isothiazolin-3-one (CMIT/MIT)	2-9	0.004-0.015%	Liquid
BIOTREND® ECO-CLEAR	Preservative, good pH stability, long term broad spectrum, water-based Zero VOC	10% - 1,2-Benzisothiazolin-3-one (BIT)	2-12	0.15-0.3%	Liquid
BIOTREND® BIT20-S	Preservative, good pH stability, long term broad spectrum, contains glycol	20% - 1,2-Benzisothiazolin-3-one (BIT) Glycol based	2-12	0.05-0.15%	Liquid
BIOTREND® BIT20-D	Preservative, good pH stability, long term broad spectrum, Zero VOC	20% - 1,2-Benzisothiazolin-3-one (BIT)	2-12	0.05-0.15%	Dispersion
BIOTREND® BP10	Preservative, broad spectrum, especially effective against gram-negative bacteria (pseudomonas sp)	10% - 2-Bromo-2-nitro-1,3-propanediol (Bronopol)	3-9	0.01-0.2%	Liquid
BIOTREND® BP30	Preservative, broad spectrum, especially effective against gram-negative bacteria (pseudomonas sp)	30% - 2-Bromo-2-nitro-1,3-propanediol (Bronopol)	3-9	0.01-0.2%	Liquid
BIOTREND® BP100	Preservative, broad spectrum, especially effective against gram-negative bacteria (pseudomonas sp)	99% - 2-Bromo-2-nitro-1,3-propanediol (Bronopol)	3-9	0.0025-0.050%	Powder
BIOTREND® GA50	Preservative/Sanitizer, broad spectrum, broad temperature range, optimum performance at mid pH range	50% - Glutaraldehyde	3-9.5	0.02-0.2%	Liquid
BIOTREND® DAZ24	Preservative, broad spectrum micro-biocide, very effective controlling bacteria, yeast, fungi	24% Tetrahydro-3,5-dimethyl-2H1,3,5-thiadiazine-2-thione	6-12	0.02-0.45%	Liquid
BIOTREND® DAZ99	Preservative, broad spectrum micro-biocide, very effective controlling bacteria, yeast, fungi	99% Tetrahydro-3,5-dimethyl-2H1,3,5-thiadiazine-2-thione	6-12	0.02-0.20%	Powder

\* Please check product label for specific application use and dosage instructions

**In-Can Preservation continued...**

BIOTREND® TZ	Preservative, fast acting, broad spectrum, good thermal and chemical stability	78.5% - Hexahydro 1,3,5- Tris (2-Hydroxyethyl)-s-Triazine	4-12	0.1-0.3%	Liquid
BIOTREND® MB5	Preservative, synergistic blend, good pH stability, long term broad spectrum, water-based Zero VOC	2.5% - 2-Methyl-4-isothiazolin-3-one 2.5% - 1,2-Benzisothiazolin-3-one	2-12	0.1-0.4%	Liquid
BIOTREND® P-20D	Preservative/Sanitizer, for cationic systems. Broad spectrum, heat stable, odor free, excellent stability	20% - Polyhexamethylene Biguanide Hydrochloride	4-12	0.025-0.25%	Liquid

**Plant Hygiene, Disinfection, Sanitization**

GBS's offers a range of fast acting biocides for in-plant use to treat area such as mixing equipment, holding tanks, lines, pipes, valves, raw materials and recycled wash water. Maintaining high levels of plant hygiene should optimize biocide performance to lower cost, minimize product returns and improve customer satisfaction.



Product Name	Function	Chemistry - Active	Application pH Range	Typical Use Level*	Form
BIOTREND DB20	Preservative/Sanitizer, quick kill for in-process addition and plant maintenance and sanitization of raw materials	20% - 2,2-Dibromo-3-nitropropionamide (DBNPA)	3-9	0.02-0.2%	Liquid

\* Please check product label for specific application use and dosage instructions

**Dry Film Preservation**

GBS's diverse range of dry film products provide broad spectrum and long-term performance against fungi and algae in both interior and exterior products, such as paints, wood stains, sealants, adhesives, textiles, and building products and much more. Our products range from powders to liquids offering choices from optimal algal and /or fungal resistance to zero VOC and color stable formulations



Product Name	Function	Chemistry - Active	Application pH Range	Typical Use Level*	Form
BIOTREND® CTL40-D	Broad spectrum Fungicide, long term protection	40% 2,4,5,6- Tetrchloroisophthalonitrile	6-10	0.12-2.5%	Dispersion
BIOTREND® CTL98-P	Broad spectrum Fungicide, long term protection	98% - 2,4,5,6- Tetrchloroisophthalonitrile	6-10	0.05-1.0%	Powder
BIOTREND® ZP+	Broad spectrum Preservative/ Fungicide/Algaecide *Color stable formulation	38% - (Bis(2-pyridylthio-1-oxide) zinc;zinc 2-pyridinethiol-1-oxide; zinc pyridinethione)	7-12	0.025-1.2	Dispersion
BIOTREND® ZP48	Broad spectrum Preservative/ Fungicide/Algaecide	48% - (Bis(2-pyridylthio-1-oxide) zinc;zinc 2-pyridinethiol-1-oxide; zinc pyridinethione)	4-10	0.02-1.2	Dispersion
BIOTREND® ZP98	Broad spectrum Preservative/ Fungicide/Algaecide	98% - (Bis(2-pyridylthio-1-oxide) zinc;zinc 2-pyridinethiol-1-oxide; zinc pyridinethione)	4-10	0.075-0.5	Powder
BIOTREND® SP40	Broad spectrum Preservative/ Fungicide/ Algaecide	40% - Sodium 2-pyridinethiol-1-oxide; (NaPT)	4-10	0.1-1.25%	Liquid

\* Please check product label for specific application use and dosage instructions

# GLOBAL BIOCIDES SOLUTIONS, LLC

Specialty Biocides for Industrial Applications



## About Us

Global Biocides Solutions, LLC, a South Carolina based company, can supply a complete package of biocides, additives and technical support for a broad range of industrial applications.

Typically, our customers are involved in paints, coatings, latex emulsions, mineral slurries, caulks, adhesives, sealants, joint compounds, building construction materials, additives, agricultural pesticide formulations, and household and industrial cleaning products.

## Product Overview

- DBNPA
- Bronopol
- Glutaraldehyde
- CMIT / MIT
- BIT
- BIT / MIT
- s -Triazine
- Dazomet
- CTL
- Zinc Pyrithione
- Sodium Pyrithione
- PHMB
- M-AMINE1



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