



# BIOCIDE

## Selection Guide

[www.archbiocides.com](http://www.archbiocides.com)

**ARCH** Building Products (N.America)

of your solution

Let us be a part

### Services and Benefits

- Superior Microbiology Formulation Capabilities
- Regulatory and Toxicology Expertise
- Global Product Registrations & Technical Support
- Extensive Lab Capabilities
- Plant Hygiene Audits
- Product Stewardship
- ISO & BPD Compliance

### About Arch

Regulatory and toxicology expertise, global product registrations, technical support and superior microbiology formulation capabilities make Arch Chemicals, Inc. a unique partner for meeting the antimicrobial requirements of coatings products. Arch earns distinction by offering products that function independently or that may be formulated with other biocides.

Contact us to learn more about how we can become a part of your solution.

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Use biocides safely.  
Always read the label and product information before use.

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No statement herein is intended as a representation or warranty regarding any product of Arch Chemicals, Inc.

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0-00605-R1



Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	US EPA Registration No.
Zinc Omadine® Powder Antimicrobial	Zinc Pyrithione (ZPT)	13463-41-7	>95	Solid	N/A (Solid)	Fungi (Yeasts & Molds) Algae & Bacteria	up to 0.5% by weight	Broad spectrum antimicrobial Excellent heat and pH stability Zero VOCs Low water solubility and low leach rate Long-term protection Extensively tested toxicology and environmental profile	1258-840
Zinc Omadine® FPS Dispersion Antimicrobial	Zinc Pyrithione (ZPT)	13463-41-7	48	Solid Dispersed in Water	6.5-8.5	Fungi (Yeasts & Molds) Algae & Bacteria	up to 1.0% by weight	Easy to formulate liquid Active Ingredient same as Zinc Omadine Fungicide	1258-841
Zinc Omadine® ZOE Antimicrobial	Zinc Pyrithione (ZPT)	13463-41-7	37	Solid Dispered in Water	9.0-11	Fungi (Yeasts & Molds) Algae & Bacteria	up to 1.2% by weight	Easy to formulate liquid Color stabilized Active ingredient same as Zinc Omadine Fungicide	1258-1235
Sodium Omadine® Fungicide	Sodium Pyrithione (NaPT)	3811-73-2	40	Aqueous Solution	9.5-11.5	Fungi (Yeasts & Molds) Algae & Bacteria	up to 1.25% by weight	Broad-spectrum antimicrobial Excellent heat and pH stability Zero VOCs Extensively tested toxicology and environmental profile	1258-843
Omacide® IPBC 100 Fungicide	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	>97	Solid	N/A Solid	Fungi (Yeasts & Molds)	0.1 up to 0.5% (of wet product) (EPA max is 0.8%)	Broad-spectrum antimicrobial Provides excellent protection to coatings on wood substrate Long history of proven performance	1258-1219
Omacide® IPBC 20 Fungicide	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	20	Solution in Organic Solvent	Non-Aqueous	Fungi (Yeasts & Molds)	0.5 up to 2.4% (coatings) 0.1 up to 1.25% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	1258-1222
Omacide® IPBC 30 Fungicide	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	30	Solution in Organic Solvent	Non-Aqueous	Fungi (Yeasts & Molds)	0.35 up to 1.7% (coatings) 0.075 up to 1.0% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	1258-1221
Omacide® IPBC 40 Fungicide	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	40	Solution in Organic Solvent	Non-Aqueous	Fungi (Yeasts & Molds)	0.25 up to 1.2% (coatings) 0.05 up to 0.625% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	1258-1220
Densil® DN / Vanquish® 100 Antimicrobials	n-Butyl-1,2-benzisothiazolin-3-one(BBIT)	4299-07-4	>93	Liquid	Non-Aqueous	Fungi (Yeasts & Molds) & Bacteria	up to 0.3% by weight	Broad spectrum of antifungal activity Stable to alkalis and amines; stable over broad pH range Heat stable and non volatile Halogen and formaldehyde free	1258-1249
Densil® DG 45 Antimicrobial	n-Butyl-1,2-benzisothiazolin-3-one(BBIT)	4299-07-4	45	Solution in Propylene Glycol	Non-Aqueous	Fungi (Yeasts & Molds) & Bacteria	up to 0.66% by weight	Active ingredient is the same as Densil® DN Antimicrobial	1258-1286

Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	US EPA Registration No.
Proxel® GXL Preservative	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	19.3	Aqueous Solution + Dipropylene Glycol	12 approx.	Bacteria, Yeasts & Molds	0.05 - 0.15%	Broad-spectrum activity Stable to alkalis and amines Stable and effective over pH range 4-12 Heat stable and non volatile Halogen and formaldehyde free	1258-1255
Proxel® DL Preservative	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	9	Aqueous Solution + Dipropylene Glycol	12 approx.	Bacteria, Yeasts & Molds	0.1 - 0.3%	Less concentrated version of Proxel GXL Easy to incorporate into aqueous systems	1258-1256
Proxel® BD20 Preservative	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	19.3	Aqueous Dispersion	6-8	Bacteria, Yeasts & Molds	0.05 - 0.15%	Zero-VOCs dispersion alternative to Proxel GXL	1258-1260
Proxel® AQ Preservative	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	9	Aqueous Solution	12 approx.	Bacteria, Yeasts & Molds	0.1 - 0.3%	Zero-VOCs solution alternative to Proxel GXL	1258-1284
Proxel® BZ Preservative	1,2-Benzisothiazolin-3-one (BIT) + Zinc pyrithione (ZPT)	2634-33-5 13463-41-7	12 (BIT) 8 (ZPT)	Aqueous Dispersion	6-8	Bacteria, Yeasts & Molds	0.05 - 0.25%	Enhanced in-can anti-fungal activity relative to Proxel GXL Patented technology	1258-1257
Proxel® BZ Plus Preservative	1,2-Benzisothiazolin-3-one (BIT) + Zinc pyrithione (ZPT)	2634-33-5 13463-41-7	5.5 (BIT) 5.5 (ZPT)	Aqueous Dispersion	6-8.5	Bacteria, Yeasts & Molds	0.025-0.25%	Broad-spectrum activity Stable and effective over pH range 4.5-11 Color stabilized Heat stable and non volatile Halogen and formaldehyde free	1258-1326
Proxel® BN Preservative	1,2-Benzisothiazolin-3-one (BIT) + 2-Bromo-2-nitropropane-1,3-diol (BNP)	2634-33-5 52-51-7	13.5 (BIT) 6.5 (BNP)	Aqueous Dispersion	2-8	Bacteria, Yeasts & Molds	0.05 - 0.2%	Quick kill combined with long-lasting efficacy Non-formaldehyde mechanism	1258-1290
Proxel® TN Preservative	1,2-Benzisothiazolin-3-one (BIT) + Hexahydro-1,3,5-tris-hydroxyethyl-s-triazine (HHT)	2634-33-5 4719-04-4	4.5 (BIT) 55.0 (HHT)	Aqueous Solution	11-14	Bacteria, Yeasts & Molds	0.05 - 0.15%	Quick kill combined with long-lasting efficacy	1258-1248
Triadine® 174 Antimicrobial	Hexahydro-1,3,5-tris-hydroxyethyl-s-triazine (HHT)	4719-04-4	78	Aqueous Solution	9-11	Bacteria, Yeasts & Molds	up to 0.15%	Broad-spectrum, formaldehyde mechanism bactericide	1258-1071
Vantocil® IB Antimicrobial	Poly (hexamethylene biguanide) hydrochloride (PHMB)	32289-58-0	20	Aqueous Solution	5-6	Bacteria, Yeasts & Molds	0.05 - 0.25%	An effective preservative for formulations containing non-ionic or cationic ingredients, such as PVA & VAE emulsion polymers, silicone emulsions, PVA & starch based adhesives, and certain types of rheology modifiers Rapid, non-formaldehyde mechanism	1258-1253
Reputain® B30 Antimicrobial	2-bromo-2-nitropropane-1,3-diol (BNP)	52-51-7	30	Aqueous Solution + Propylene Glycol	<4.5	Bacteria, Yeasts & Molds	0.02-0.1%	Ideal for recovery of spoiled product or for rapidly reducing microbiological contamination in raw materials or intermediates Non-formaldehyde mechanism	33753-20-1258
Reputain® K50 Antimicrobial	Glutaraldehyde	111-30-8	50	Aqueous Solution	3.1-4.5	Bacteria, Yeasts & Molds	0.025-0.2%	Ideal for recovery of spoiled product or for rapidly reducing microbiological contamination in raw materials or intermediates Non-formaldehyde mechanism	33753-31-1258



**Building product application areas include:**

- Paints & Stains
- Wallboards
- Ceiling Tiles
- Inks
- Caulks
- Sealants
- Adhesives
- Patching Compounds
- Polymer Emulsions
- Mineral Slurries
- Other components of construction materials

Other products available from Arch Biocides for building product applications include the following:

- Proxel® Ultra 7 & Ultra 10 Preservatives
- Vanquish® SL 10 Antimicrobial
- Triadine® 10 Antimicrobial
- Sodium Omadine® 2000 Antimicrobial

Please consult your local Arch Biocides office regarding the availability of products and suitability for your application.

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- Global Product Registrations & Technical Support
- Extensive Lab Capabilities
- Plant Hygiene Audits
- Product Stewardship
- ISO & BPD Compliance

### About Arch

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2-00647-R1

Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	Regulatory Information
<b>Zinc Omadine® Powder Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	>95	Solid	N/A (Solid)	Fungi, Yeasts, Algae & Bacteria	up to 0.5% by weight	Broad spectrum antimicrobial Excellent heat and pH stability Zero VOCs Low water solubility and low leach rate Long-term protection Extensively tested toxicology and environmental profile	BPD: Active notified US EPA Registered
<b>Zinc Omadine® 48% FPS Dispersion Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	48	Aqueous Dispersion	6.5 -8.5	Fungi, Yeasts, Algae & Bacteria	up to 1.0% by weight	Easy to formulate liquid Active Ingredient same as Zinc Omadine Fungicide	BPD: Active notified US EPA Registered
<b>Zinc Omadine® ZOE Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	37	Aqueous Dispersion	9.0-11	Fungi, Yeasts, Algae & Bacteria	up to 1.0% by weight	Easy to formulate liquid Color stabilized Active Ingredient same as Zinc Omadine Fungicide	BPD: Active notified US EPA Registered
<b>Sodium Omadine® Fungicide</b>	Sodium Pyrithione (NaPT)	3811-73-2	40	Aqueous Solution	9.5-11.5	Fungi, Yeasts, Algae & Bacteria	up to 0.5% by weight	Broad-spectrum antimicrobial Excellent heat and pH stability Zero VOCs Extensively tested toxicology and environmental profile	BPD: Active notified US EPA Registered
<b>Omacide™ IPBC 100 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	>97	Solid	N/A Solid	Fungi & Yeasts	0.1 up to 0.5% (of wet product) (EPA max is 0.8%)	Broad-spectrum antimicrobial Provides excellent protection to coatings on wood substrate Long history of proven performance	BPD: Active notified US EPA Registered
<b>Omacide™ IPBC 20 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	20	Solution in Organic Solvent	Non-Aqueous	Fungi & Yeasts	0.5 - 2.5% (coatings) 0.1 up to 1.25% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	BPD: Active notified US EPA Registered
<b>Omacide™ IPBC 30 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	30	Solution in Organic Solvent	Non-Aqueous	Fungi & Yeasts	0.35 to 1.75% (coatings) 0.075 up to 1.0% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	BPD: Active notified US EPA Registered
Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	Regulatory Information
<b>Densil® DN Antimicrobial</b>	n-Butyl-1,2-benzisothiazolin-3-one (BBIT)	4299-07-4	> 97	Liquid	Non-Aqueous	Fungi, Yeasts, Algae & Bacteria	0.1 - 0.3% (coatings, sealants etc) 0.02 - 0.05% (wet state)	Broad antimicrobial spectrum Easy-to-use liquid Excellent heat and pH stability	BPD: Active notified US EPA Registered
<b>Densil® DG 20 Antimicrobial</b>	n-Butyl-1,2-benzisothiazolin-3-one (BBIT)	4299-07-4	20	Solution in Dipropylene Glycol	Non-Aqueous	Fungi, Yeasts, Algae & Bacteria	0.25 - 1.5% (coatings, sealants etc) 0.1 - 0.25% (wet state)	Easy to use liquid Active ingredient is the same as Densil DN	BPD: Active notified Not registered for use in the US
Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	Regulatory Information
<b>Proxel® AQ Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	9.25	Aqueous Solution	12	Bacteria, Yeasts & Fungi	0.1 - 0.3%	Zero-VOCs solution alternative to Proxel GXL Formaldehyde free	BPD: Active notified US EPA Registered
<b>Proxel® BD20 Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	20	Aqueous Dispersion	6 - 8	Bacteria, Yeasts & Fungi	0.05 - 0.15%	Zero-VOCs dispersion alternative to Proxel GXL	BPD: Active notified US EPA Registered
<b>Proxel® GXL Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	20	Aqueous Solution + Dipropylene Glycol	13.5	Bacteria, Yeasts & Fungi	0.05 - 0.15%	Broad-spectrum activity Stable to alkalis and amines Stable and effective over pH range 4-12 Heat stable and non volatile Halogen and formaldehyde free	BPD: Active notified US EPA Registered
<b>Proxel® BC Preservative</b>	1,2-Benzisothiazoline-3-one (BIT) 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) and 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 55965-84-9	5 (BIT) 1 (CMIT/MIT)	Aqueous Dispersion	2 - 6	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Quick kill combined with long-lasting efficacy	BPD: Active notified Not registered for use in the US
<b>Proxel® BN Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + 2-Bromo-2-nitropropan-1,3-diol (BNP)	2634-33-5 52-51-7	13,5 (BIT) 6.5 (BNP)	Aqueous Dispersion	2.5 - 8	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Alternative to CMIT/MIT offering quick kill and long-lasting efficacy	BPD: Active notified US EPA Registered
<b>Proxel® BZ Plus Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + Zinc pyrithione (ZPT)	2634-33-5 13463-41-7	5,5 (BIT) 5,5 (ZPT)	Aqueous Dispersion	6 - 8.5	Bacteria, Yeasts & Fungi	0.05 - 0.3%	Broad-spectrum activity Stable and effective over pH range 4.5-11 Color stabilized Heat stable and non volatile Halogen and formaldehyde free	BPD: Active notified US EPA Registered
<b>Proxel® MB Preservative</b>	1,2-Benzisothiazoline-3-one (BIT) 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 2682-20-4	2,5 (BIT) 2,5 (MIT)	Aqueous Solution	8 - 9.5	Bacteria, Yeasts & Fungi	0.1 - 0.3%	AOX, Solvent and VOC Free	BPD: Actives notified Not registered for use in the US
<b>Proxel® MB4 Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 2682-20-4	4 (BIT) 1 (MIT)	Aqueous Solution	8 - 9.5	Bacteria, Yeasts & Fungi	0.1 - 0.3%	Alternative to CMIT/MIT offering quick kill and long-lasting efficacy	BPD: Actives notified Not registered for use in the US
<b>Proxel® DMB Preservative</b>	1,2-Benzisothiazoline-3-one (BIT) 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 2682-20-4	5 (BIT) 5 (MIT)	Aqueous Solution	8 - 9.5	Bacteria, Yeasts & Fungi	0.05 - 0.15%	AOX, Solvent and VOC Free. Concentrated delivery form	BPD: Active notified Not registered for use in the US
<b>Proxel® TN Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine (HHT)	2634-33-5 4719-04-4	5 (BIT) 51 (HHT)	Aqueous Solution	12	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Quick kill combined with long-lasting efficacy Triazine provides additional head-space protection	BPD: Actives notified US EPA Registered
<b>Vantocil® TG Antimicrobial</b>	Poly(hexamethylenebiguanide) hydrochloride (PHMB)	27083-27-8	20	Aqueous Solution	5 - 6	Bacteria, Viruses & Yeast	0.05 - 0.15%	Fast speed of kill AOX, Solvent and VOC Free	BPD: Active notified Not registered for use in the US



**Building product application areas include:**

- Paints & Stains
- Wallboards
- Ceiling Tiles
- Inks
- Caulks
- Sealants
- Adhesives
- Patching Compounds
- Polymer Emulsions
- Mineral Slurries
- Other components of construction materials

Other products available from Arch Biocides for building product applications include the following:

- Vanquish® 100 Antimicrobial
- Vanquish® SE 10 Antimicrobial
- Vantocil IB® Antimicrobial

Please consult your local Arch Biocides office regarding the availability of products and suitability for your application.

European Status: "BPD" indicates actives have been notified under the appropriate Product Types as required by the EU Biocidal Products Directive (98/8). For further information on current status for a particular product or application area please contact Arch Chemicals, Inc. directly.

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**ARCH** Building Products (India)

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Let us be a part

### Services and Benefits

- Superior Microbiology Formulation Capabilities
- Regulatory and Toxicology Expertise
- Global Product Registrations & Technical Support
- Extensive Lab Capabilities
- Plant Hygiene Audits
- Product Stewardship
- ISO & BPD Compliance

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<b>Zinc Omadine® Powder Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	>95	Solid	N/A (Solid)	Fungi, Yeasts, Algae & Bacteria	up to 0.5% by weight	Broad spectrum antimicrobial Excellent heat and pH stability Zero VOCs Low water solubility and low leach rate Long-term protection Extensively tested toxicology and environmental profile	BPD: Active notified USA EPA Registered
<b>Zinc Omadine® 48% FPS Dispersion Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	48	Aqueous Dispersion	6.5 -8.5	Fungi, Yeasts, Algae & Bacteria	up to 1.0% by weight	Easy to formulate liquid Active Ingredient same as Zinc Omadine Fungicide	BPD: Active notified USA EPA Registered
<b>Zinc Omadine® ZOE Antimicrobial</b>	Zinc Pyrithione (ZPT)	13463-41-7	37	Aqueous Dispersion	9.0-11	Fungi, Yeasts, Algae & Bacteria	up to 1.0% by weight	Easy to formulate liquid Color stabilized Active Ingredient same as Zinc Omadine Fungicide	BPD: Active notified USA EPA Registered
<b>Sodium Omadine® Fungicide</b>	Sodium Pyrithione (NaPT)	3811-73-2	40	Aqueous Solution	9.5-11.5	Fungi, Yeasts, Algae & Bacteria	up to 0.5% by weight	Broad-spectrum antimicrobial Excellent heat and pH stability Zero VOCs Extensively tested toxicology and environmental profile	BPD: Active notified USA EPA Registered
<b>Omacide™ IPBC 100 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	>97	Solid	N/A Solid	Fungi & Yeasts	0.1 up to 0.5% (of wet product) (EPA max is 0.8%)	Broad-spectrum antimicrobial Provides excellent protection to coatings on wood substrate Long history of proven performance	BPD: Active notified USA EPA Registered
<b>Omacide™ IPBC 20 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	20	Solution in Organic Solvent	Non-Aqueous	Fungi & Yeasts	0.5 - 2.5% (coatings) 0.1 up to 1.25% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	BPD: Active notified USA EPA Registered
<b>Omacide™ IPBC 30 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	30	Solution in Organic Solvent	Non-Aqueous	Fungi & Yeasts	0.35 - 1.75% (coatings) 0.075 up to 1.0% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	BPD: Active notified USA EPA Registered
<b>Omacide™ IPBC 40 Fungicide</b>	3-Iodo-2-propynyl-n-butylcarbamate (IPBC)	55406-53-6	40	Solution in Organic Solvent	Non-Aqueous	Fungi & Yeasts	0.25 – 1.25% (coatings) 0.05 up to 0.625% (adhesives)	Easy to use liquid Active ingredient same as Omacide IPBC 100 Fungicide	BPD: Active notified USA EPA Registered



**Building product application areas include:**

- Paints & Stains
- Wallboards
- Ceiling Tiles
- Inks
- Caulks
- Sealants
- Adhesives
- Patching Compounds
- Polymer Emulsions
- Mineral Slurries
- Other components of construction materials

European Status: "BPD" indicates actives have been notified under the appropriate Product Types as required by the EU Biocidal Products Directive (98/8). For further information on current status for a particular product or application area please contact Arch Chemicals, Inc. directly.

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Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	Regulatory Information
<b>Densil® CD Antimicrobial</b>	Dithio-2,2'-bis(benzmethylamide) + N'-(3,4-dichlorophenyl)-N,N-dimethyl urea + Methyl N-benzimidazol-2-yl carbamate	2527-58-4 330-54-1 10605-21-7	17 25.5 0.9	Aqueous Dispersion	4.5	Fungi, Yeasts, Algae & Bacteria	0.25 - 2.0%	Broad antimicrobial spectrum Compatible & effective over pH range 4-12	Not registered under the BPD Not registered for use in the USA
<b>Densil® DN Antimicrobial</b>	n-Butyl-1,2-benzisothiazolin-3-one (BBIT)	4299-07-4	> 97	Liquid	Non-Aqueous	Fungi, Yeasts, Algae & Bacteria	0.1 - 0.3% (coatings, sealants etc) 0.02 - 0.05% (wet state)	Broad antimicrobial spectrum Easy-to-use liquid Excellent heat and pH stability	BPD: Active notified USA EPA Registered
<b>Densil® DG 20 Antimicrobial</b>	n-Butyl-1,2-benzisothiazolin-3-one (BBIT)	4299-07-4	20	Solution in Dipropylene Glycol	Non-Aqueous	Fungi, Yeasts, Algae & Bacteria	0.25 - 1.5% (coatings, sealants etc) 0.1 - 0.25% (wet state)	Easy to use liquid Active ingredient is the same as Densil DN	BPD: Active notified Not registered for use in the USA
<b>Densil® P Antimicrobial</b>	Dithio-2,2'-bis(benzmethylamide)	2527-58-4	25	Aqueous Dispersion	4	Bacteria, Yeasts & Fungi	0.2 - 2.0 % (coatings, sealants etc) 0.05 - 0.2 (wet state)	Broad antimicrobial spectrum Compatible & effective over pH range 4-12	Not registered under the BPD Not registered for use in the USA

  

Product Name	Chemical Actives	CAS No.	Active Content (% w/w)	Physical Form	pH (as sold)	Antimicrobial Activity	Typical Dose Levels (w/w as supplied)	Key Performance Benefits	Regulatory Information
<b>Proxel® AQ Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	9.25	Aqueous Solution	12	Bacteria, Yeasts & Fungi	0.1 - 0.3%	Zero-VOCs solution alternative to Proxel GXL Formaldehyde free	BPD: Active notified USA EPA Registered
<b>Proxel® BD20 Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	20	Aqueous Dispersion	6 - 8	Bacteria, Yeasts & Fungi	0.05 - 0.15%	Zero-VOCs dispersion alternative to Proxel GXL	BPD: Active notified USA EPA Registered
<b>Proxel® GXL Preservative</b>	1,2-Benzisothiazolin-3-one (BIT)	2634-33-5	20	Aqueous Solution + Dipropylene Glycol	13.5	Bacteria, Yeasts & Fungi	0.05 - 0.15%	Broad-spectrum activity Stable to alkalis and amines Stable and effective over pH range 4-12 Heat stable and non volatile Halogen and formaldehyde free	BPD: Active notified USA EPA Registered
<b>Proxel® BC Preservative</b>	1,2-Benzisothiazoline-3-one (BIT) 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) and 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 55965-84-9	5 (BIT) 1 (CMIT/MIT)	Aqueous Dispersion	2 - 6	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Quick kill combined with long-lasting efficacy	BPD: Active notified Not registered for use in the USA
<b>Proxel® BN Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + 2-Bromo-2-nitropropan-1,3-diol (BNP)	2634-33-5 52-51-7	13.5 (BIT) 6.5 (BNP)	Aqueous Dispersion	2.5 - 8	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Alternative to CMIT/MIT offering quick kill and long-lasting efficacy	BPD: Active notified USA EPA Registered
<b>Proxel® BZ Plus Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + Zinc pyrithione (ZPT)	2634-33-5 13463-41-7	5.5 (BIT) 5.5 (ZPT)	Aqueous Dispersion	6 - 8.5	Bacteria, Yeasts & Fungi	0.05 - 0.3%	Broad-spectrum activity Stable and effective over pH range 4.5-11 Color stabilized Heat stable and non volatile Halogen and formaldehyde free	BPD: Active notified USA EPA Registration pending
<b>Proxel® MB4 Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) 2-methyl-2H-isothiazol-3-one (MIT)	2634-33-5 2682-20-4	4 (BIT) 1 (MIT)	Aqueous Solution	8 - 9.5	Bacteria, Yeasts & Fungi	0.1 - 0.3%	Alternative to CMIT/MIT offering quick kill and long-lasting efficacy	BPD: Actives notified Not registered for use in the US
<b>Proxel® TN Preservative</b>	1,2-Benzisothiazolin-3-one (BIT) + Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine (HHT)	2634-33-5 4719-04-4	5 (BIT) 51 (HHT)	Aqueous Solution	12	Bacteria, Yeasts & Fungi	0.05 - 0.2%	Quick kill combined with long-lasting efficacy Triazine provides additional head-space protection	BPD: Active notified USA EPA Registered