About Us

Lonza Microbial Control provides innovative and cost-effective solutions that bring your products up to today’s sustainability standards, while providing the protection you’ve come to rely upon.

Our Building Products portfolio includes:

**Preservation**
Comprehensive product suite to meet a wide range of application needs

**Dry-film Protection**
Low-leaching protection against molds and algae

**Plant Hygiene**
Non-chemical control systems and audit services

Contact us and learn how we can become a responsible part of your environmentally preferred solution.

Building product application areas include:

- Paints, stains and inks
- Caulks, sealants & adhesives
- Patching compounds
- Polymer emulsion
- Mineral slurries
- Wallboards & ceiling tiles
- Construction chemicals

Use biocides safely. Always read the label and product information before use. The products described herein may not be registered or may be registered only for certain uses in your country.

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### Chemical Actives

- 1,2-Benzisothiazolin-3-one (BIT)
- 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT)
- 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT) + 2-Bromo-2-nitropropane-1,3-diol (Bronopol)
- 2-Bromo-2-nitropropane-1,3-diol (Bronopol)

### Typical Dose Level (w/w as supplied)

- 0.01% – 0.02%
- 0.05% – 0.2%
- 0.01% – 0.2%
- 0.05% – 0.3%
- 2.0 – 4.0
- 0.05% – 0.15%
- 0.2% – 0.5%
- 0.1% – 0.2%
- 0.05% – 0.3%

### Key Performance Benefits

- Rapid antimicrobial activity with head-space protection
- Provided long-term protection
- Heat stable and non volatile
- Excellent heat and pH stability
- Extended shelf life and environmental profile
- Quick kill bacterium and fungus
- Inhibits the growth of algae and bacteria
- Cost-effective preservation option
- Inhibits the growth of molds and algae
- Mildew resistant to yeast and molds
- Extensively tested toxicology and environmental profile
- Suitable for use in solvents systems
- An effective preservative for formulations containing non-ionic or cationic ingredients, such as PVA & VAE emulsion polymers, silicone resins, PVB & VA butadiene-styrene copolymers
- Rapid, extended shelf life

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### Building Products Preservative Selection Guide - Global

#### Dry-Film Preservation

- **EcoPhytone** (BP)
- **101 Preservative**
- **100 Preservative**
- **CMC Preservative**

#### In-Can Preservation

- **Phasor™ 102 Preservative**
- **Phasor™ 101 Preservative**
- **Phasor™ 105 Preservative**
- **Phasor™ 106 Preservative**
- **Phasor™ 107 Preservative**

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### Appendix

- **Product Name**
- **Chemical Actives**
- **pH (as used)**
- **Staged Dose Level (w/w as supplied)**
- **Key Performance Benefits**

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**Table:**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Chemical Actives</th>
<th>pH (as used)</th>
<th>Staged Dose Level (w/w as supplied)</th>
<th>Key Performance Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EcoPhytone</td>
<td>1,2-Benzisothiazolin-3-one</td>
<td>0.01% – 0.02%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Heat stable and non volatile; Excellent heat and pH stability; Inhibits the growth of algae and bacteria; Extended shelf life and environmental profile</td>
</tr>
<tr>
<td>101 Preservative</td>
<td>3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT)</td>
<td>0.05% – 0.2%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Provided long-term protection; Heat stable and non volatile; Excellent heat and pH stability; Inhibits the growth of algae and bacteria</td>
</tr>
<tr>
<td>100 Preservative</td>
<td>3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT) + 2-Bromo-2-nitropropane-1,3-diol (Bronopol)</td>
<td>0.05% – 0.3%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Provided long-term protection; Heat stable and non volatile; Excellent heat and pH stability; Inhibits the growth of algae and bacteria</td>
</tr>
<tr>
<td>CMC Preservative</td>
<td>2-Bromo-2-nitropropane-1,3-diol (Bronopol)</td>
<td>2.0 – 4.0</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Suitable for use in standard adhesives</td>
</tr>
<tr>
<td><strong>Phasor™ 102 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT)</td>
<td>11.0 – 13.0</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Inhibits the growth of molds and algae; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
<tr>
<td><strong>Phasor™ 101 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT)</td>
<td>11.0 – 13.0</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
<tr>
<td><strong>Phasor™ 105 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT) + 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H- isothiazol-3-one (MIT)</td>
<td>0.05% – 0.25%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Inhibits the growth of molds and algae; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
<tr>
<td><strong>Phasor™ 106 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT) + 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT) + 2-Bromo-2-nitropropane-1,3-diol (Bronopol)</td>
<td>0.05% – 0.25%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Inhibits the growth of molds and algae; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
<tr>
<td><strong>Phasor™ 107 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT) + 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT) + 3-lodo-2-propynl-n-butylcarbamate (IPBC)</td>
<td>0.05% – 0.25%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Inhibits the growth of molds and algae; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
<tr>
<td><strong>Phasor™ 150 Preservative</strong></td>
<td>1,2-Benzisothiazolin-3-one (BIT) + 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CMIT) + 2-methyl-2H-isothiazol-3-one (MIT) + 3-lodo-2-propynl-n-butylcarbamate (IPBC)</td>
<td>0.05% – 0.25%</td>
<td>0.1% – 1.5% (by weight)</td>
<td>Inhibits the growth of algae and bacteria; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Inhibits the growth of molds and algae; Stable to alkalis and amines; Stable and effective over pH range 4 – 12; Effective on a wide range of microorganisms</td>
</tr>
</tbody>
</table>