

# ProClin® 200 Preservative for Diagnostic Reagents

## Product Information



### Formulation

*These numbers do not constitute specifications*

- 5-Chloro-2-methyl-4-isothiazolin-3-one (RH-651)
- 2-Methyl-4-isothiazolin-3-one (RH-573)
- Magnesium nitrate
- Cupric nitrate
- Water

### Manufacturing Specifications

- **Appearance** clear, light blue liquid
- **Color (APHA)** 100 maximum
- **pH** 1.7 - 3.7
- **Total Active Ingredients (%)** 1.5 - 1.6
  - 5-Chloro-2-methyl-4-isothiazolin-3-one: total A.I. (%) 1.150 minimum
  - 2-Methyl-4-isothiazolin-3-one (%) 0.350 minimum
  - 5-Chloro-2-methyl-4-isothiazolin-3-one: total A.I. (ratio) 74.5 - 75.5
  - Copper nitrate (%) 0.15 - 0.17
  - Magnesium nitrate (%) 1.4 - 2.7

### Physical Properties

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- **Density (lb./gal.)** 8.4
- **Specific Gravity** 1.02
- **Odor** Mild (aromatic)
- **Solubility in Water** Completely soluble
- **Viscosity (25 °C)** 3 cps
- **Evaporation Rate (Butyl acetate = 1)** < 1

### Typical Use Levels

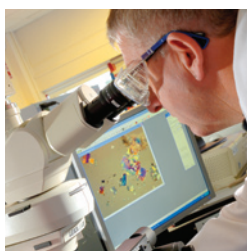
- 0.05 - 0.10% (w/w)  
(0.05 - 0.10 mg ProClin 200 per 100 g of solution)

### Shelf Life (25 °C)

- 18 months from date of manufacture

### Ordering Information

Description	Cat. No.
<b>ProClin 200 Preservative</b>	
50 mL bottle	48171-U
400 mL bottle	500380
3.6 L bottle	500399
15 L pail	500402
<b>ProClin Reference Standard</b>	
1 mL ampule (1.5% A.I. solution)	33360-U



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