

## 10 % Cobalt Hydro-Cure® IV

Cobalt drier for water-based systems

### Physical Characteristics

Appearance	Blue/purple liquid
Metal content	Co: 9.90 - 10.10 % M001
Non-volatile content	65.00 - 80.00 % ASTM D 1644
Viscosity	E to O ASTM D 2373
Specific gravity	0.990 - 1.040 (25°C) ASTM D 1963
Density	NA

### Features

- Shortens the surface drying of coatings, varnishes, stains and inks
- Results in uniform through-drying of the paint film when used in combination with a secondary drier such as zirconium, barium or zinc
- Catalyzes redox reactions which result in the dissociation of hydroperoxides from a change in valence from Co<sup>2+</sup> to Co<sup>3+</sup>
- Rapid surface drying
- Based on metal salts of neodecanoic acid designed for waterborne coatings only

### Applications

- Oxidatively cured water-based systems, including:
  - Architectural paints
  - Industrial coatings
  - Stains
  - Oil-based inks
  - Artists' colors

### Dosage

In conventional alkyd formulations, the cobalt addition is between 0.03 and 0.08 % metal based on the vehicle solids of the coating and will vary upon the composition of the binder. In printing inks, a combination of Cobalt and Manganese driers is recommended. The amount of cobalt is between 0.03 and 0.05 % based on binder solids. Cobalt driers can also be combined with Zirconium and Calcium driers for optimum surface and through dry. The specific drier blend should be experimentally determined.

### Storage

Protect from the effects of weathering and store at temperatures below 50 °C. Once opened, containers should be resealed immediately after each use.

### Safety

Please refer to our safety data sheet for information relating to product safety.

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