borchers

Octa-Soligen® Cobalt 10

Cobalt drier for solvent-based systems

Physical Characteristics

Appearance	Clear, low-viscous violet liquid
Metal content	Co: 9.80 – 10.20 % ISO 4619
Non-volatile content	52.00 – 62.00 % ISO 3251 (2g, 3h, 105°C)
Viscosity	Max. 190 mPa.s (20°C) ISO 3219 (A)
Specific gravity	NA
Density	0.970 – 1.010 g/cm³ DIN 51757 (20 °C)
Solvent	White-spirit containing <1 % aromatics

Features

- Based on metal salts of 2-ethylhexanoic acid (octoates) or their isomers
- Catalyzes redox reactions and even small additions result in the dissociation of autoxidant hydroperoxides and to a change in valency from Co2+ to Co3+
- Rapid surface drying

Applications

- Solvent-based systems based on alkyds and epoxy esters that dry by oxidation

Dosage

In conventional alkyd formulations, the cobalt addition is between 0.03 and 0.08 %, calculated on the solid binder. In printing inks, a combination of Octa-Soligen® Cobalt and Octa-Soligen® Manganese is recommended. The amount of cobalt is between 0.03 and 0.05 %, calculated on the solid binder. Octa-Soligen® Cobalt can also be combined with Octa-Soligen® Zirconium and Octa-Soligen® Calcium. This yields outstanding results in systems that are free from heavy metals. Irrespective of these guidelines, the addition should always be determined in preliminary trials.

Storage

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

Safety

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

811 Sharon Drive / Westlake, OH 44145 / Telephone: +1 800-321-9696 / 440-899-2950 / Fax: +1 440-808-7114 / Internet: www.borchers.com / E-Mail: info.us@borchers.com