



Description

Borchers® Deca Barium 12.5 is a highly efficient secondary drier. Barium improves through drying and has good pigment wetting properties. Borchers® Deca driers are metal salts of neodecanoic acids.

Characteristic Data

Appearance	clear, low viscous, colorless to yellowish liquid	
Metal content	Barium: 12.2 - 12.8 %	ISO 4619
Non-volatile content	53 - 63 %	ISO 3251 (2g, 3h, 105 °C)
Viscosity	max. 250 cPs	ISO 3219 (A) (20 °C)
Density	0.96 - 1.00 g/cm ³	DIN 53217 (20 °C)
Flash point	> 61 °C (informative)	ISO 3679
Solvent	white spirits containing < 1% aromatics (informative)	

Properties

Barium is used as a wetting agent for pigments and extenders in solvent based coatings systems. It improves gloss and prevents adsorption of the primary driers by pigments and extenders thereby increasing coating stability during prolonged storage. In combination with Borchers® OXY - Coat, Borchers® Deca Cobalt or Borchers® Deca Manganese, barium has a similar effect to that of lead and will promote through drying in many formulations.

Applications

Borchers® Deca Barium 12.5 is used in solventborne systems based on alkyds and epoxy esters that crosslink by oxidation.

Dosage

The typical usage level is 0.1 - 0.5% barium metal, based on binder solids. The exact amount depends upon the formulation and should always be determined in preliminary trials.

Borchers® Deca Barium 12.5 can be added during the grinding process to improve pigment wetting or as a post additive along with the other driers.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °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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