



Description

Lithium is a substitute for lead and is used together with cobalt and calcium in lead-free combination driers.

It yields improved through-drying, especially in systems based on low molecular weight resins.

Characteristic data

Appearance:	clear, high viscous, colourless to yellowish liquid	
Metal content Li, %:	1.9 - 2.1	Borchers 08-Li-03 (acidimetry)
Viscosity (20 °C), mPa·s:	1,000 – 5,000	ISO 3219 (A) - 1994
Density (20 °C), g/cm ³ :	0.92 – 0.96	DIN 51757 (A) – 1994
Colour, Gardner:	max. 4	ISO 4630 - 1981
Flash point, °C:	> 100 (typical)	
Solvent:	fatty acid ester	

Properties

Lithium yields best results when combined with cobalt. It is primarily used as a substitute for lead and in high-solids coatings based on low molecular weight binders.

Lithium greatly improves the through-drying and hardness of coatings and reduces their tendency to wrinkle. **Octa-Soligen[®] Lithium 2 HS** is also used as a secondary drier to improve the storage stability and through-drying of water-reducible alkyd dispersions.

Applications

Lithium is primarily used as a substitute for lead and in high-solid coatings based on low molecular weight binders.

Addition

In our experience, the percentage addition of lithium, calculated on the metal content per solid binder, is approx. 0.01 - 0.10 % Li.

The exact amount required depends on the binder used and should always be determined in preliminary trials.

Octa-Soligen[®] Lithium 2 HS



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 removal of the product.

Safety

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

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