



Description

Zirconium driers are the most widely used substitutes for lead in coatings which may only contain non-toxic drier systems. They improve the through-drying primarily by the formation of coordination bonds.

Zirconium is mainly used in combination with cobalt, manganese and calcium. The results achieved with this combination are similar to those achieved with cobalt/lead/calcium combinations. Compared with other secondary driers, zirconium has better properties in terms of color, yellowing and stability.

Supply form

Octa-Soligen[®] driers are based on metal salts of 2-ethylhexanic acid (octoates) or their isomers.

Octa-Soligen[®] Zirconium is available in the following supply forms:

Products	Applications
Octa-Soligen [®] Zirconium 6	solvent-borne systems
Octa-Soligen [®] Zirconium 10	
Octa-Soligen [®] Zirconium 12	
Octa-Soligen [®] Zirconium 18	
Octa-Soligen [®] Zirconium 10 aqua	water-borne systems
Octa-Soligen [®] Zirconium 10 (oil)	printing inks
Octa-Soligen [®] Zirconium 6 HS	VOC-reduced and High-Solid coatings
Octa-Soligen [®] Zirconium 12 HS	
Octa-Soligen [®] Zirconium 18 HS	
Octa-Soligen [®] Zirconium 6 GA	low-odour coatings
Octa-Soligen [®] Zirconium 18 GA	

Properties

As an activating secondary drier, zirconium only functions in combination with primary driers and thus promotes surface and through-drying. In combination with cobalt, it is particularly suitable for use in pale-colored coatings and baking systems.

Addition

In our experience, the percentage addition of zirconium, calculated on the metal content per solid binder, is approx. 0.05 - 0.30 %.

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



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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