



## Speciality drier for water-borne paint systems

### Description

**Octa-Soligen<sup>®</sup> 123 aqua** is a hydrophilic combination drier manufactured by special means. The active metal ingredients are cobalt, barium and zinc. This drier is usable in all water-borne paint systems based on binders which dry by oxidation.

### Characteristic data

Metal content Ba, %:	6.72 – 7.12	DIN 55901 - 1988
Metal content Co, %:	1.05 – 1.25	DIN 55901 - 1988
Metal content Zn, %:	2.98 – 3.18	DIN 55901 - 1988
Total metal content, %:	10.75 – 11.55	
Viscosity (20 °C), mPa·s:	80 - 280	ISO 3219 (A) - 1994
Density (20 °C), g/cm <sup>3</sup> :	0.98 – 1.02	DIN 51757 (A) - 1994
Non-volatile content, %:	50 - 60	ISO 3251 – 1974 (2g, 3h, 105 °C)
Flash point, °C:	> 61	
Solvent:	white-spirit with < 1 % aromatics	

### Properties

This specially activated drier effects rapid and uniform initial drying and good through-drying of the paint film as well as improving color stability, gloss, film hardness and water resistance. It remains stable even if stored for over a year.

Cobalt effects rapid surface drying. In conjunction with cobalt, barium and zinc act like lead and improve through-drying. At the same time they prevent the adsorption of primary driers, thereby increasing drier stability during long-term storage.

In contrast to conventional driers, **Octa-Soligen<sup>®</sup> 123 aqua** is simple to use. It can be added to the binder or to paint already diluted with water, regardless of pH. A 24-hour maturing period allows **Octa-Soligen<sup>®</sup> 123 aqua** to take full effect.

### Applications

The combination drier **Octa-Soligen<sup>®</sup> 123 aqua** is usable in all water-borne paint systems based on binders which dry by oxidation.



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## Use and Dosage

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Additions from 2 to 6 % **Octa-Soligen® 123 aqua** relative to binder (long-oil alkyd), equivalent to the following metal contents:

cobalt	0.024 - 0.072 %
barium	0.144 - 0.432 %
zinc	0.064 - 0.192 %

Under certain circumstances, more or less than the recommended amounts may be used. The optimum amount needs to be determined in trials, however.

To improve the drier stability of paints such as those containing pigments which readily adsorb driers, we recommend that 0.5 – 1.0 % *Octa-Soligen® Calcium 10* is added prior to milling.

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## Storage

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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.

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## Safety

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

Updated: 25.02.2009

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