



## Description

Calcium is an auxiliary drier that is used solely in combination with primary and secondary driers. When added during grinding, **Octa-Soligen<sup>®</sup> Calcium** driers also improve pigment wetting and dispersion. They help increase the hardness and gloss of the paint film.

## Supply form

Octa-Soligen<sup>®</sup> driers are based on metal salts of 2-ethylhexanic acid (octoates) or their isomers.

We supply calcium octoates with different metal contents in different solvents that meet the specific requirements of various applications:

Products	Applications
Octa-Soligen <sup>®</sup> Calcium 4, basic	solvent-borne systems
Octa-Soligen <sup>®</sup> Calcium 5, basic	
Octa-Soligen <sup>®</sup> Calcium 10, basic	
Octa-Soligen <sup>®</sup> Calcium 5, neutral	
Octa-Soligen <sup>®</sup> Calcium 5 HS, neutral	VOC-reduced and High-Solid coatings
Octa-Soligen <sup>®</sup> Calcium 7 HS, neutral	
Borchers <sup>®</sup> Dry 0511 – Calcium 4 aqua	water-borne systems

## Properties

Calcium itself has no drying effect on binders that dry by oxidation. However, it yields synergistic effects in combination with primary driers such as cobalt and manganese and with secondary driers such as zirconium or lead.

Calcium also promotes pigment wetting. When added during grinding, it prevents adsorption of the cobalt and lead driers at the surface of the pigments, thus stabilizing the drying power. The neutral supply forms improve film gloss.

## Applications

**Octa-Soligen<sup>®</sup> Calcium** is used in solvent-borne systems based on alkyds and epoxy esters that dry by oxidation.



## Addition

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In our experience, the percentage addition of calcium, calculated on the metal content relative to solid binder, is approx. 0.03 – 0.30 %.

The exact amount required depends on the binder used and should always be determined in preliminary trials. It is recommended to add all or part of **Octa-Soligen<sup>®</sup> Calcium** during the grinding step to improve pigment wetting. It can also be incorporated at the end of the process at the same time than other driers.

## 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.

## Safety

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

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