



Description

Calcium is an auxiliary drier which is used solely in combination with primary and secondary driers. Larger quantities of calcium can be used as a partial substitute for lead in binders with low lead compatibility. This prevents the precipitation of the lead but retains the drying effect. Calcium driers are also suitable for use as pigment wetting agents and pigment dispersion agents. They contribute to improving hardness and gloss and reduce skinning and streaking.

Supply form

Soligen[®] driers are based on metal salts of naphthenic acid (naphthenates).
Soligen[®] Calcium is available in the following supply forms:

Products	Application
Soligen [®] Calcium 4	solvent-borne systems
Soligen [®] Calcium 5	

Properties

Calcium itself has no drying effect on binders which dry by oxidation. However, in combination with primary driers such as cobalt and manganese, it yields a significant synergistic effect. Like barium, it acts as a wetting agent and prevents the adsorption of cobalt and lead driers at the surfaces of pigments, which improves the drying stability. Calcium can also have a positive influence on the gloss.

Addition

In our experience, the percentage addition of calcium, calculated on the metal content per solid binder, is approx. 0.03 - 0.30 % Ca. The exact amount required depends on the binder used.

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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