



Special lead-free combination drier for oxidatively drying paint systems

Description

Octa-Soligen® 173 is a drier combination developed to satisfy the demands of the paint industry for suitable environmentally acceptable, lead-free drier systems. **Octa-Soligen® 173** and *Octa-Soligen® 203* are two lead-free combination driers for the paint industry which are almost universally usable and yield optimum drying results in all binders which dry by oxidation.

Supply form

Octa-Soligen® driers are based on metal salts of 2-ethylhexanoic acid (octoates) or their isomers. **Octa-Soligen® 173** is available in the following supply forms:

Products	Applications
Octa-Soligen® 173	solvent-borne systems
Octa-Soligen® 173 GA	low-odour coatings

Properties

Cobalt effects rapid surface drying. In conjunction with cobalt, barium acts like lead and improves through-drying. At the same time it prevents the adsorption of primary driers, thereby increasing drier stability during long-term storage. Zirconium acts as an active auxiliary drier. Like lead, it improves both through-drying and surface drying.

The balanced ratio of the various metal contents of **Octa-Soligen® 173** yields optimum results in initial drying and through-drying. As a result of the action of the barium, this drier has excellent drier stability, rendering use of additional drier stabilisers unnecessary except in the case of critical pigment Systems.

Paints incorporating **Octa-Soligen® 173** are characterised by better drying times particularly at high atmospheric humidity and low temperatures.

Octa-Soligen® 173 is of low viscosity, is easy to use and is specifically suited to light-colored paint systems and automotive refinishing paint.

Applications

Octa-Soligen® 173 is usable in all binder systems which dry by oxidation and is particularly suitable to white and light-colored paints. Cloudiness and precipitation do not occur.

Paint films dried with **Octa-Soligen® 173** exhibit very good through-drying, outstanding brightness, good gloss and excellent hardness.

Particularly advantageous is use of **Octa-Soligen® 173** at low temperatures and high atmospheric humidity, especially if used in conjunction with *Octa-Soligen® Cerium*.

Octa-Soligen® 173 promotes faster through-drying of paints dried by application of heat. As a result, the paint remains removable with tape (e.g. in the case of automotive refinishing paints) for a shorter period.



Use and Dosage

Applications Development trials showed the necessary addition of **Octa-Soligen® 173** to be between 2 and 5 % relative to solid binder, depending on the binder and the pigment system. This is equivalent to a cobalt content of 0.024 to 0.060 %.

When using pigments which retard the drying process such as carbon black or toluidine red, a higher dosage or special stabilization may be necessary. *Soligen® Stabilizer C*, *Octa-Soligen® Barium 12.5* or *Octa-Soligen® Calcium 10* are all suitable for this purpose.

In paint systems which already contain zinc compounds, **Octa-Soligen® 173** should be used in preference to *Octa-Soligen® 203*.

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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