



Description

Special combination drier based on Cobalt, Barium and Zirconium for oxidatively drying paint systems.

Characteristic Data

Appearance	Clear, low-viscous, violet liquid	
Metal content	Ba: 7.00 - 7.40 % Co: 1.10 - 1.30 % Zr: 3.10 - 3.30 % Total 11.20 - 12.00 %	DIN 55901 DIN 55901 DIN 55901
Non-volatile content	40 - 50 %	ISO 3251 (2g, 3h, 105 °C)
Viscosity	Max. 120 mPa·s	ISO 3219 (A) (20 °C)
Density	0.950 - 0.990 g/cm ³	DIN 51757 (20 °C)
Solvent	White spirit with < 1 % aromatics	

Properties

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

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.



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. Octa-Soligen® Barium 12.5 and Octa-Soligen® Calcium 10 are 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 below 50 °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.

Updated: 01.02.2016

Borchers GmbH

Berghausener Str. 100 / 40764 Langenfeld / Telephone: +49 (0) 2173 - 39 26 666
Fax: +49 (0) 2173 - 39 26 999 / Internet: www.borchers.com / E-Mail: info@borchers.com

Our product information is given in good faith but without warranty. This also applies where proprietary rights of third parties are involved. This information does not release the customer from the obligation to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the

products manufactured by the customer on the basis of our technical advice are beyond our control and, therefore, entirely the customer's own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.