



- **GENERAL**

Siccatives are contained in nearly all conventional resin paints (e.g. alcyde resin paint) and in standard oil-bound natural paints (e.g. wood lazures, even in water dilutable oil lazures) as an essential ingredient.

Siccatives are solutions of so-called drying agents (metal salts of organic acids) in organic solvents.

The contained metals speed up the oxidative drying process of natural drying oils due to their catalytic effect.

A linseed oil without siccatives dries in 1 - 4 weeks, a linseed oil containing siccatives (= linseed oil varnish) dries in one day.

Cobalt and manganese salts cause a quick drying of the surface. Zirconium, calcium and zinc salts as additional drying agents are responsible for the proper hardening of the oil film. Lead and Barium as additional drying agents are toxic and replacable, but are still contained in many standard products.

Lead and Barium are not used in Kreidezeit products.

Cobalt is suspected to cause cancer. This relates mainly to dust from sanding old coatings containing cobalt which are inhaled. But while the fine dust from sanding untreated wood have a cancerous potential, it is wise to wear a suitable breathing mask while sanding wood.

In a set condition, which means in a dry oil coating, these cobalt compounds are definitely not harmful to persons. This is proven by the approval for linseed oil containing cobalt siccatives as a surface coating for wooden toys.

But the question might arise if the use of („toxic“ and definitely not natural) siccatives in natural paints makes sense or is admissible.

Indeed, we and other producers of natural paints have to make a compromise. There is no acceptable replacement for cobalt siccatives, but we are working on it.

Until then, the operator of oil paints has two alternatives: short drying times with cobalt siccatives (and proper protection like breathing mask and washing the hand properly after work) or using no siccatives, which causes long drying times and thus dust sticking to the surface.

- **APPLICATION**

To speed up the drying process of natural drying oils.

To reactivate the siccatives contained in old oil paints that have lost their drying capabilities due to long storage (more than 2 years). Siccatives in oil paints slowly loose their effect in long storage.

- **INGREDIENTS**

Lead-free drying agents (cobalt and zirconium octoates), aromate-free petroleum spirit.

“Octoates” = Salt of octane acid



- **USAGE**

Siccative for natural oils

Up to 5% of siccative to the oil portion (e.g. 50ml of siccative on 1 litre of linseed oil or safflower oil).

The siccative is stirred thoroughly into the oil and preferably left for 24hrs before application to achieve full effectivity.

Reactivation of old oil paints

Up to 2.5% of siccative to the oil portion (e.g. 25ml of siccative on 1 litre of old floor hard oil).

Mixing as mentioned above.

Do not exceed the mentioned amounts of siccative in any case. An overdose can lead to strong stickiness, cracks, wrinkles and yellowing. Exterior coatings can get less weather resistant in this case.

- **PACKAGE SIZES**

Art.No. 435 50ml

Art.No. 436 250ml

Please refer to the valid price list for product prices.

- **STORAGE**

If stored cool, dry, dark, airtight and above zero degrees centigrade, the siccative can be kept for at least 2 years.

- **CLEANING OF TOOLS**

Immediately after use with gum turpentine or warm water and mild soap.

- **SAFETY ADVICE**

Xn, harmful

VbF A III

Hazardous to waters WGK II

(Self-classification)

- **NOTE**

Wear suitable protective gloves during application. Avoid skin contact. Wash hands properly after work.

Wash off with plenty of water and soap in case of skin contact.

Keep out of reach of children!

Must not get into the hands of children!

The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications.

You will find the latest product information at

>> www.kreidezeit.de << or directly at Kreidezeit.

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