

Octa-Soligen[®] Barium



Description

Barium improves the through-drying of a coating and has good pigment wetting properties. It can be used as a substitute for lead.

Supply form

Octa-Soligen[®] driers are based on metal salts of 2-ethylhexanic acid (octoates) or their isomers.

Octa-Soligen[®] Barium is available in the following supply forms:

Products	Applications
Octa-Soligen [®] Barium 12.5	solvent-borne coatings
Octa-Soligen [®] Barium 12.5 GA	low-odour coatings
Octa-Soligen [®] Barium 12.5 HS	VOC-reduced and High-Solid coatings

Properties

Barium is used as a wetting agent for pigments and extenders. It improves gloss and prevents adsorption of the primary driers at the surface of the pigments and extenders, thus increasing the stability of the coating during prolonged storage. In combination with cobalt, barium has a similar effect to that of lead and promotes through-drying in many formulations.

Applications

Octa-Soligen[®] Barium is used in solvent-borne systems based on alkyds and epoxy esters that dry by oxidation.

Addition

In our experience, the percentage addition of barium, calculated on the metal content relative to solid binder, is approx. 0.1 – 0.5 %.

The exact amount required depends on the binder used and should always be determined in preliminary trials. **Octa-Soligen[®] Barium** can be introduced during the grinding step to improve pigment wetting, thus at the end of process at the same time than other driers.



Precautions

In contrast to lead, barium is not a cumulative toxin although it does have a relatively high acute toxicity. During the formulation of coatings, certain precautions must be observed when handling barium driers. However, it is generally assumed that coatings containing barium present no risk because of the small amounts added. Nevertheless, barium and other heavy metals are not desirable in children's toys, crayons, etc.

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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