



Drier stabilizer for lead - free systems

## Description

---

**Soligen<sup>®</sup> Stabilizer C** is a sacrificial drier in paste form. It is used for drier stabilization in lead-free, solvent-containing paint systems which dry by oxidation.

## Characteristic data

---

Colour:	bluish purple	
Odour:	smells of solvent	
Metal content Co, %:	20.6 – 21.4	ISO 4619 - 1980
Viscosity (20 °C), mPa·s:	5,000 – 20,000	ISO 3219 (A) - 1994
Density (20 °C), g/cm <sup>3</sup> :	1.15 – 1.25	DIN 53217 - 1991
Flash point, °C:	> 100	
Solvent:	mineral oil	

## Properties

---

**Soligen<sup>®</sup> Stabilizer C** acts as a drier stabilizer in lead-free paint systems. Organic pigments with an extremely large particle surface area such as gas black, Heliogen blue, Toluidine red and Lithol Red adsorb considerable amounts of active metal. The same applies to very fine-particle inorganic pigments such as transparent iron oxides. The loss of drier action as a result of drier adsorption during prolonged storage is kept constant by **Soligen<sup>®</sup> Stabilizer C**, without the need for excessive addition of driers which often leads to defects.

**Soligen<sup>®</sup> Stabilizer C** takes effect in a controlled manner in step with the decomposition of the drier. It does not affect initial drying of the paint system. **Soligen<sup>®</sup> Stabilizer C** has no adverse effect on the film properties of the paint.

## Applications

---

**Soligen<sup>®</sup> Stabilizer C** can be used in all solvent-containing paint systems which dry by oxidation and in some water-borne systems. Its use in aqueous systems is possible only if the formulation contains appropriate amounts of co-solvent.

## Use and Dosage

---

**Soligen<sup>®</sup> Stabilizer C** is added at the milling stage with pigment and binder. Subsequent addition is also possible. Percentage additions range between 0.3 and 0.7 %. **Soligen<sup>®</sup> Stabilizer C**, relative to non-volatile binder. The optimum amount must always be determined individually beforehand in trials.



## Sample applications

Drying time in hours

paint system	% metal	STAB.C	initially	6 weeks	12 weeks	24 weeks	40 weeks	52 weeks
alkyd resin enamels black	0.08 Mn 0.15 Ca	without	3.8	5.0	6.3	7.0	8.8	9.5
alkyd resin enamels black	0.08 Mn 0.15 Ca	0.5 %	3.8	4.2	4.3	4.5	4.8	4.8
epoxy ester paints toluidine red	0.04 Co 0.08 Ca	without	0.5	0.8	1.2	1.5	1.7	-
epoxy ester paints toluidine red	0.04 Co 0.08 Ca	0.5 %	0.5	0.5	0.9	1.0	1.0	-
oil paint chrome green	0.04 Co 0.08 Ca	without	1.0	1.8	2.2	2.5	-	2.5
oil paint chrome green	0.04 Co 0.08 Ca	0.3 %	1.0	1.2	1.3	1.2	-	1.4
aluminium paint	0.08 Mn 0.03 Co	without	5.7	-	9.8	10.9	10.9	-
aluminium paint	0.08 Mn 0.03 Co	0.7 %	6.0	-	6.7	6.5	6.5	-
aluminium paint	0.05 Co	without	3.2	-	4.5	4.9	5.1	-
aluminium paint	0.05 Co	0.7 %	2.2	-	2.5	2.5	2.5	-

## 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.

Updated: 25.02.2009

**OMG 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](http://www.borchers.com) / E-Mail: [info.borchers@eu.omgi.com](mailto:info.borchers@eu.omgi.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.