

# Ascinin® Anti Skin 0444



Anti-skinning agent for oxidatively drying coating systems and pastes with reduced VOC content

## Description

**Ascinin® Anti Skin 0444** is a new anti-skinning agent for solvent borne coating systems, printing inks and pigment pastes as well as VOC-reduced and *High-Solids*-paints based on alkyds, epoxy esters and other oxidatively drying binders. It contains a special combination of active ingredients with a high anti-oxidative potential.

**Ascinin® Anti Skin 0444** contains no oximes and phenolics and therefore should be a non-hazardous substitution for other commercial phenolic and oximic antioxidants.

## Characteristic data

Appearance:	clear, low viscous, colourless to yellowish liquid	
Density (20 °C), g/cm <sup>3</sup> :	0.86 – 0.90	DIN 51757 (A) - 1994
Viscosity (20 °C), mPa·s:	max. 45	ISO 3219 (A) - 1994
Flash point, °C:	> 61 (informativ)	
Solvent:	VOC-free fatty acid esters	
Solubility:	soluble in organic solvents such as alcohols, ethers, xylene, white spirit, butyl glycol, printing oils in water slightly soluble	

## Properties

Preventing undesired skin-formation on surface of solvent borne oxidatively drying coating systems, printing inks and pigment pastes during storage **Ascinin® Anti Skin 0444** improves their storage stability. In the applied film, it provides a controlled retardation of surface drying and thus keeps the film open longer to ensure penetration of oxygen to lower film layers. Hence it promotes through dry and also improves flow properties.

Due to the chemical basis of **Ascinin® Anti Skin 0444** the specific disadvantages of other antioxidants - such as the strong drying retardation of phenolics or the toxicologic potential of oximic compounds - could be avoided.

## Applications

**Ascinin® Anti Skin 0444** is suitable for all solvent borne and solvent-free oxidatively drying coatings. It might be used in clear-coats as well as in pigmented systems.

**Ascinin® Anti Skin 0444** is solved in a non-VOC solvent, so it contains a very low VOC portion and is of low odour. Hence it is especially recommendable for VOC-reduced coatings, *High-Solids*-paints, printing inks and for use in environmentally friendly coatings.



---

## Use and Dosage

---

**Ascinin<sup>®</sup> Anti Skin 0444** can be added to the system in any formulation step. A preliminary dilution is not suggested. We recommend its addition in a final production step after adding the siccatives to the formulation.

The required amount of **Ascinin<sup>®</sup> Anti Skin 0444** depends on type of binder and quantity of the used driers. Usual amounts for coating systems based on alkyds are approx. 0.2 to 0.6 % by weight on total formulation. In case of substitution of Butanonoxime we recommend starting with adding half the amount of the substituted Butanonoxime and then optimize the addition rate on basis of the obtained results.

It might be mixed into the formulation of printing inks systems to replace common phenolic antioxidants as well as sprayed on the surface of the ink in the filled container instead of Butanonoxime. Usual amounts for incorporation of the product are approx. 0.5 to 2.0 % by weight on total formulation. For application upon the surface in containers it must be observed, that the entire surface must be covered, for efficiently prevent the penetration of oxygen.

Correspondingly greater quantities (up to 4 % by weight) are required in pigment pastes containing redox-active iron oxide pigments.

---

## Storage

---

Protect from the effects of weathering and store at temperatures between 5 and 30 °C in the original container.

Once opened, containers should be resealed immediately after each removal of the product.

---

## Safety

---

No labelling is required in accordance with the EEC directives.

**Ascinin<sup>®</sup> Anti Skin 0444** is no dangerous cargo.

For further safety information please refer to our safety data sheet.

Updated: 13.11.2009

---

**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.