

## ANTIGEL<sup>®</sup> KF

**Multifunctional additive for solvent borne and water-based coating systems, free of ketoxime, biodegradable**

**Chemical base:** Antioxidant with additives in solvent mixture

**Properties:** **ANTIGEL<sup>®</sup> KF** has the following properties:

- Stabilisation of viscosity against air oxidation
- Prevention of skinning
- Improved wetting
- Prevention of settlement
- Reduction of dispersing time
- Removal of floatation phenomena
- Promotion of flow and gloss

**Mode of action:** The multifunctionality of **ANTIGEL<sup>®</sup> KF** is based on the synergistic activity of the components.

### 1. Viscosity stabilisation

The stabilisation is based on the oxygen binding properties of the antioxidant. **ANTIGEL<sup>®</sup> KF** improves flow and through-drying.

### 2. Wetting and dispersion

The wetting component of **ANTIGEL<sup>®</sup> KF** reduces the interfacial tension between the usually hydrophilic pigments and the hydrophobic binder. The pigments are well distributed resulting an optimum depth of colour. Dispersion time, floatation phenomena and sedimentation are reduced and gloss is increased. Sedimentation is largely avoided. Because of the excellent wetting, optimum depth of colour is achieved.

**Applications:** **ANTIGEL<sup>®</sup> KF** can be used in almost all water-based and solvent borne coating systems.

**Technical data:** Appearance : yellow - brown, clear liquid  
(Guide values) Density (ISO 2811-1) : 0.92 g/cm<sup>3</sup>  
Flash point (ISO 1523) : 58 °C

**Processing:** **ANTIGEL<sup>®</sup> KF** should be added to the mill base in order to get optimum use of its wetting properties. It is recommended to establish the dosage by preliminary experiment.

**ANTIGEL<sup>®</sup> KF** suited as multifunctional additive but recommended for anti skinning properties and therefore used between 0.1 % and 0.5 % on total formulation while all other benefits will improve your formulation compared to traditional anti skinning additives.

The above information is based on our current knowledge and experience. No binding assurance in respect of certain properties or suitability for certain applications must be read into our information. Patent rights and other proprietary rights must be observed if necessary.  
Further safety instructions please learn from our material safety data sheet. 04/2016

**Storage:** Keep **ANTIGEL® KF** in a cool, well-ventilated place. Occasionally, slight sediment is formed, which does not adversely affect the quality of **ANTIGEL® KF**. There is no need to stir up the sediment.

Subject to appropriate storage, the described properties of **ANTIGEL® KF** remain stable for at least 2 years, provided the original container is closed after use.

**Packaging:** 50 kg / 175 kg drum

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