

METHYL ETHYL KETOXIME

FEATURES

METHYL ETHYL KETOXIME is used as an anti-skinning agent in oxidatively drying paints and inks. Methyl Ethyl Ketoxime inhibits skin formation in the liquid paint or ink. METHYL ETHYL KETOXIME evaporates from the applied paint film and therefore does not extend the drying time after application of the paint.

PHYSICAL CHARACTERISTICS

Appearance	: Low viscosity colorless liquid
Methyl ethyl ketoxime (%)	: 99.0 min.
Methyl ethyl ketone (%)	: 0.50 max. Sec.
Butyl Alcohol (%)	: 0.50 max.
Water (%)	: 0.25 max.
Color (APHA)	: 8 max.
Solubility	: soluble in minerals spirits, xylene, water

PROPERTIES

METHYL ETHYL KETOXIME is a volatile liquid organic compound, which has been used successfully for decades as anti-skinning agent in autoxidatively drying systems. The working mechanism of Methyl Ethyl Ketoxime is explained as being a radical cap agent, which blocks free radicals as formed during the autoxidation polymerisation process. Furthermore by complexing the cation of catalysts such as from Cobalt siccatives. The uniqueness of Methyl Ethyl Ketoxime is not only the high effectiveness as anti/skinning agent but also the fast evaporation after film application. As a consequence Methyl Ethyl Ketoxime has is not demonstrating adverse effects on the drying process. This contrarely to alternative ani skinning agents which tend to prelong the drying process, resulting in long dry time and soft films, as well as yellowing. Methyl Ethyl Ketoxime is also used as a blocking agent for various reactants, such as isocyanate based hardeners as well as for reactive silicones as used in sealants and similar applications.

MAIN BENEFITS

- . Prevent skin formation of liquid air drying paints, varnishes and inks
- . High efficiency, demonstrated already at low dosage
- . High purity
- . No adverse effect on the film drying process
- . Blocking agent for hardeners, silicones, etc.

DISCLAIMER:

The information contained in this datasheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about the product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

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DOSAGE AND ADDITION

Although the optimal amount of Methyl Ethyl Ketoxime to be used is system related, generally a dosage between 0.1 and 0.4% Methyl Ethyl Ketoxime, calculated on the formulation of the liquid paint or ink is considered as being optimal.

METHYL ETHYL KETOXIME is preferably added during the let-down stage paint manufacturing process. The optimum concentration to be used depends on the individual requirements and conditions.

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