

MITTEL S

Defoamer for solvent borne coating systems, biodegradable

Chemical base: Surface active polymers in a solvent mixture

Properties: **MITTEL S** decreases the surface tension and thus defoams most solvent based systems effectively. It eliminates air bubbles during manufacture and application before surface defects appears. Already small quantities of **MITTEL S** prevent foaming and blistering during stoving enamels or varnishes.

FDA approval: The compounds of **MITTEL S** are listed in FDA (U.S. Food & Drug Administration), title 21, Code of Federal Regulations (CFR), part 175.105 and 176.200. The non-volatile compounds of **MITTEL S** are listed in FDA, 21 CFR, part 175.105, 176.200 and 176.210.

Applications: **Mittel S** is suitable for nearly all solvent based systems. **MITTEL S** is very efficient in alkyd (air drying), alkyd/polyester (heat stoving), chlorinated rubbers, epoxide, polyurethane, thermoplastic acrylic and reactive acrylics systems.

Technical data:
(Guide values)

Appearance	:	clear, colourless liquid
Density (ISO 2811-1)	:	0.77 g/cm ³
Flash point (ISO 1523)	:	37 °C
Active matter	:	100 %

Processing: For oven stoving coating systems concentrations of 0.1 % **MITTEL S** are often enough to achieve the desired effects. **MITTEL S** has a low viscosity and can therefore be incorporated easily. It is recommended to add **MITTEL S** to the millbase in order to ensure best distribution. The dosage is 0.1 to 0.5 % on total formulation. The optimum amount depends on the coating system and must be determined by laboratory trials. Post addition is possible, if **MITTEL S** is homogeneously distributed.

Storage: Stir **MITTEL S** up before use. Keep it in a cool, well-ventilated place. Before **MITTEL S** is taken from the container, it is necessary to stir it up. Subject to appropriate storage, the described properties of **MITTEL S** remain stable for at least 2 years, provided the original container is closed after use. Occasionally, **MITTEL S** may contain traces of water which do not influence the product quality.

Packaging: 40 kg / 150 kg drum

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. 03/2019