EASTMAN

Technical Data Sheet

Eastman™ Retarder Solvent

Applications

- Auto oem
- Auto refinish
- Coil coatings
- General industrial coatings
- Marine
- Wood coatings

Key Attributes

- Good solubility and compatibility in industrial bake systems
- High boiling point and autoignition temperature
- Low surface tension
- Non-HAP
- Non-SARA
- Not classified as a VOC per European Union Directive 2004/42/EC
- Not classified as a VOC per European Union Solvent Emissions Directive [1]
- REACH compliant
- Readily biodegradable
- Resistance to yellowing during cure

Product Description

Eastman™ Retarder Solvent is an efficient, low toxicity solvent used as a retarder solvent for industrial bake coatings. It is compatible with a variety of resin systems, and therefore has utility over a wide range of application conditions and substrates. It resists yellowing during cure while delivering excellent leveling and gloss, enabling consistent film quality and minimizing surface coating defects.

To demonstrate its utility in industrial bake applications, Eastman™ Retarder Solvent was evaluated versus DBE in a typical coil coating formulation. The technical tip titled *Eastman™ Retarder Solvent and Optifilm™ Enhancer 300 for Industrial Bake Coatings* below outlines the procedure used and the evaluation results.

Eastman™ Retarder Solvent is currently only available in the Asia Pacific region.

[1]Vapor pressure < 0.01kPa @ 293,15 K as per Solvent Emissions Directive 1999/13/EC

Typical Properties

Property	Typical Value, Units
General	
Specific Gravity	
@ 20°C/20°C	0.95
Evaporation Rate	
(ether = 1)	6051
(n-butyl acetate = 1)	0.002
Wt/Vol	
@ 20°C	0.95 kg/L (7.90 lb/gal)
Surface Tension	
@ 20°C	28.9 dynes/cm
Hansen Solubility Parameters	
Hydrogen Bonding	4.8
Nonpolar	7.4
Polar	3.0
Total	9.3
Refractive Index	
@ 20°C	1.4423
Vapor Pressure	

@ 20°C	0.01 torr
Heat of Combustion	1607.7 kcal/g·mol
Freezing Point	-50 °C
Flash Point	
Cleveland Open Cup	120 °C
Autoignition Temperature	393 °C
Liquid Viscosity	
@ 20°C	13.5 cP (mPa·s)

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