EASTMAN

Technical Data Sheet

Eastman Optifilm™ Enhancer 400

Applications

- Adhesives/sealants-b&c
- Architectural coatings
- Automotive
- Exterior architectural coatings
- General industrial coatings
- Interior flat architectural coatings
- Interior non-flat architectural coatings
- Marine
- Paints & coatings
- Process solvents
- Protective coatings
- Wood coatings

Key Attributes

- Extremely low odor
- Good coalescing efficiency
- Non-HAP
- Non-SARA
- Non-yellowing
- REACH compliant
- Readily biodegradable
- Stable in low to high pH coatings
- Zero VOC contribution to paint*

Product Description

Eastman Optifilm™ enhancer 400 is a low odor coalescent that is compatible with a variety of latex types and it does not contribute to the VOC content of paints. It is an efficient coalescent that aids in the development of latex paints that have a good balance of performance properties. Optifilm 400 delivers excellent film integrity, touch-up properties, and scrub resistance, even at the lowest VOCs content. Paints prepared with Optifilm 400 have also demonstrated good exterior durability after one year exposure. It can also be blended with other coalescents such as Eastman Texanol™ ester alcohol or Eastman EEH glycol ether to further optimize the balance of low VOC content and paint performance.

Optifilm 400 is compatible with solvent borne acrylic resins and improves the flexibility and adhesion of coatings based on these resins. This product is non-phthalate and is not listed as a HAP or on SARA 313.

*Based on independent lab testing of paint using ASTM D6886 with methyl palmitate as the GC marker compound.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Assay		97.0 wt % min.
Autoignition Temperature		385 °C
Boiling Point @ 760 mm Hg		374-381 °C (705-718 °F)
Color Pt-Co		30 max.
Evaporation Rate (n-butyl acetate = 1)		0.000017
Flash Point Pensky-Martens Closed Cup		199 °C (390 °F)
Freezing Point		-50 °C (-58 °F)
Liquid Viscosity @ 20°C		15.8 cP (mPa·s)
Refractive Index @ 20°C		1.4436

Solubility		
in Water, @ 20°C		0.0 wt %
Water in, @ 20°C		0.9 wt %
Specific Gravity		
@ 20°C/20°C		0.967
Vapor Pressure		
@ 20°C		<0.0001 mm Hg
VOC Content[a]	ASTM D6886	0.00

[a]*Volatile organic compound. Test Method - Using methyl palmitate as GC marker compound in the testing of latex paint. Typical value - Used as recommended at up to 3 weight percent based on total paint formulation.*

Comments

Hazards, ingredients, first aid, firefighting method, accidental release measures, exposure, personal protection, storage / handling, physical and chemical properties are all on SDS.

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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