

# An efficient specialty coalescent for interior and trim applications

Highly efficient and performance-oriented, Eastman™ EEH Solvent has long been used for specialty coatings applications. A unique balance of water insolubility and quick evaporation rate allows EEH to provide an excellent balance of properties in architectural coatings. The VOC of Eastman™ EEH per the Decopaint Directive (2004/42/EC) is 88% maximum. In many cases its efficiency enables Directive compliance without sacrificing performance.

Eastman™ EEH Solvent is compatible with a variety of dispersion types used in Europe. Appropriate for all types of architectural coatings, Eastman EEH performs especially well in non-matt applications.

## The key benefits of Eastman™ EEH Solvent are:

- Faster evaporating than many coalescents: faster development of film hardness and improves the block resistance of gloss paints.
- High coalescing efficiency: low coalescent level required to obtain good film integrity, proper colour formation, good touchup properties and good scrub resistance.
- Relatively low odour, which dissipates quickly due to rapid evaporation rate.
- Low surface tension: improvements in substrate wetting, flow and leveling.
- Low water solubility: helps maintain performance over a range of application conditions; minimises wicking of coalescents into porous substrates in latex coatings.
- Good hydrolytic stability: chemically stable in both low and high pH coatings.
- Non-HAP.

In many cases, Eastman™ EEH Solvent can replace coalescent systems containing both fast and slow evaporating coalescents.

Eastman™ EEH is easy to use in the manufacturing environment. It has a low risk of shocking the paint formulation, is safe to use and has a high flash point.



Typical properties	Typical value, units
Composition:	
Ethylene glycol 2-ethylhexyl ether	85 wt %
Diethylene glycol 2-ethylhexyl ether	15 wt %
Specific gravity @ 20°C/20°C	0.882
Solubility: In Water @ 20°C	0.2 wt %
Water In @ 20°C	6.2 wt %
Evaporation rate: (n-butyl acetate = 1)	0.003
(ether = 1)	4034
Refractive index @ 20°C	1.4423
Boiling point @ 760 mm Hg:	226°C (439°F)
Vapor pressure @ 20°C	0.08 mm Hg
Freezing point	<-45°C
Flash point, Setaflash closed cup	102°C
Autoignition temperature	227°C
Liquid viscosity @ 20°C	7 cP (mPa-s)

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.

# EASTMAN

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