

# 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

## **Eastman Chemical Company Corporate Headquarters**

P.O. Box 431  
Kingsport, TN 37662-5280 U.S.A.  
Telephone:  
U.S.A. and Canada, 800-EASTMAN  
(800-327-8626)  
Other Locations, (1) 423-229-2000  
Fax: (1) 423-229-1193

## **Regional Headquarters**

### **Eastman Chemical B.V.**

Fascinatio Boulevard 602-614  
2909 VA Capelle aan den IJssel  
The Netherlands

Telephone: (31) 10 2402 111  
Fax: (31) 10 2402 100

### **Technical Service Center**

#### **European Technical Centre**

European Technical Centre  
Acornfield Road  
Knowsley Industrial Park North  
Kirkby, Merseyside, L33 7UF  
United Kingdom

Telephone: (44) 151 547 2002  
Fax: (44) 151 548 5100

## **Representative Offices**

### **Eastman Chemical B.V., Succursale Paris**

65, rue de Bercy  
75589 Paris Cedex 12  
France

Telephone: (33) 1 44 67 88 88  
Fax: (33) 1 44 67 88 99

### **Eastman Chemical Deutschland GmbH & Co. KG**

Charlottenstrasse 61  
D-51149 Cologne  
Germany

Telephone: (49) 2203 17050  
Fax: (49) 2203 1705 24

### **Eastman Chemical Italia Srl**

Via Rosellini, 12  
20124 Milano  
Italy

Telephone: (39) 02 6991 1520  
Fax: (39) 02 6991 1532

### **Eastman Chemical B.V.**

Liaison Office, Turkey  
Maya Akar Center  
Buyukdere Cad 100/52  
80280 Esentepe  
Istanbul  
Turkey

Telephone: (90) 212 2113313  
Fax: (90) 212 2113505

### **Eastman Chemical B.V.**

Regus Global OUtsourced Office (Building 2)  
Country Club Estate  
Woodland Drive  
Woodmead Gauteng  
South Africa

Telephone: (27) 11 258 8643  
Fax: (27) 11 258 8610

**[www.eastman.com](http://www.eastman.com)**

Material Safety Data Sheets providing safety precautions, that should be observed when handling and storing Eastman products, are available online or by request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

*Neither Eastman Chemical Company nor its marketing affiliates shall be responsible for the use of this information, or of any product, method or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment and for the health and safety of your employees and purchasers of your products. NO WARRANTY IS MADE OF THE MERCHANTABILITY OR FITNESS OF ANY PRODUCT, AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.*

Eastman is a trademark of Eastman Chemical Company.

© Eastman Chemical Company, 2009.