



Technical Data Sheet

Product name

UCAR™ Filmer LV

Product Description

UCAR™ Filmer LV is a low odor, high boiling point, slow-evaporating, colorless glycol ether with excellent coalescing properties for latex binders. Due to its high boiling point and high efficiency to reduce the MFFT of latex binders, it is widely used as the low odor coalescing agent in water-based coatings.

Applications

- Coalescent for water-based architectural and industrial coatings
- General solvent applications

Typical Physical Properties

Property	Value
Molecular weight	248.4
Boiling point @ 760 mmHg, 1.01 bar	275°C (527°F)
Flash point (Setaflash closed cup)	126°C (259°F)
Freezing point	< -75°C (-103°F)
Vapor pressure @ 20°C – extrapolated	< 0.01 mmHg 0.02 Pa
Liquid density @ 20°C	0.930 g/cm ³
@ 25°C	0.927 g/cm ³
Vapor density (air = 1)	>6
Viscosity (mm ² /s @ 25°C)	7.0
Surface tension (dynes/cm or mN/m @ 20°C)	29.7
Specific heat (J/g @25°C)	1.80
Heat of vaporization (J/g) at normal boiling point	2220
Net heat of combustion (kJ/g) – predicted @ 25°C	30.4
Autoignition temperature	202°C (396°F)
Evaporation rate (n-butyl acetate = 1.0)	< 0.01
Solubility, g/L or % @ 25°C solvent in water	40.2 g/L
Hansen solubility parameters(J/cm ³) ^{1/2}	
_d (dispersion)	14.8
_p (polar)	1.7
_h (hydrogen bonding)	7.9
Partition coefficient, n-octanol/water (log Pow)	1.9

Typical Physical properties:

This data provided for those properties are typical values, and should not be construed as sales specifications.

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