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Typical Product Specifications & Properties

Hexylene Glycol

CAS Number: : 107-41-5

Specifications	Limits
Density	0.9216 (204 c)
Melting Point	-50 c
Purity	99.0% m/m min
Dielectric Constant @ 20C	25
Thermal Conductivity @ 20C	0.16 W/m/C
Antoine Constant B #	1606.29 kPa, C
Vapour Pressure @ 20C	<0.01 kPa
Refractive Index @ 20° C	1.428
Color	<5 Pt-Co
Relative Evaporation Rate (nBuAc=1)	<0.01
Antoine Constant A #	6.55177 kPa, C
Temperature Limits for Antoine Equation	+70 to +200 C



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Specifications	Limits
Vapor Pressure @ 50C	0.06 kPa
Saturated Vapour Concentration @ 20C	<0.5 g/m ³
Lower Explosion Limit	1.0% v/v
Surface Tension @ 20C	33 mN/m
Viscosity @ 20C	39 mPa.s
Hydrogen Bonding Index	-20.0
Fractional Polarity	0.737
Heat of Vaporization @Tboil	449 kJ/kg
Miscibility @20C: Solvent in water	complete
Density @ 20C	0.922 kg/L
Boiling Point	198 C
Auto Ignition Temp	425 C



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Specifications	Limits
Freezing Point	-50 C
Hildebrand Solubility Parameter	11.3 (cal/cm ³) ^{1/2}
Heat of Combustion (Net) @25C	29500 kJ/kg
Water	0.05% m/m
Coefficient of Cubic Expansion @ 20C	9 10 ⁻⁴ /C
Antoine Constant C #	156.045 kPa, C
Flash Point (Abel)	93 C
Upper Explosion Limit	9.9% v/v

Specifications	Limits
Electrical Conductivity @ 20C	3 uS/m
Specific Heat @20C	2.2 kJ/kg/C
Miscibility @20C: Water in solvent	complete
Molecular weight	118 g/mol



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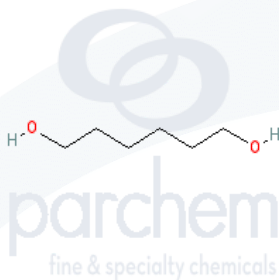


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Specifications	Limits
Refractive Index	1.4276 (20 c)
Odor	nearly odorless
Flash Point	(tcc) 98 c
Solubility	water, aliphatic and aromatic hydrocarbons, alcohols, ethers, fatty acids
Chemical Structure	



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