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Typical Product Specifications & Properties

SBP 100/140

CAS Number: : 64742-49-0

Specifications	Limits
Coefficient of Cubic Expansion @ 20C	12 10 ⁻⁴ /C
Relative Evaporation Rate (Ether=1)	6
Vapour Pressure @ 20C	4.4 kPa
Hildebrand Solubility Parameter	7.5 (cal/cm ³) ^{1/2}
Antoine Constant C #	349.980 kPa, C
Aromatics	<5 mg/kg
Fractional Polarity	0
Antoine Constant A #	7.51210 kPa, C
Vapour Pressure @ 0C	1.8 kPa
Benzene	<3 mg/kg
n-Hexane	<0.1 % m/m
Flash Point (Abel)	1 C



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Specifications	Limits
Auto Ignition Temp	260 C (DIN 51794)
Thermal Conductivity @ 20C	0.13 W/m/C
Molecular weight	110 g/mol
Density @ 15 ° C	0.728 kg/L
Refractive Index @ 20° C	1.407
Colour	+30 Saybolt
Bromine Index	<5 mg Br/100g
Distillation - Initial Boiling Point	1.06 C
Distillation - Dry Point	1.36 C
Relative Evaporation Rate (nBuAc=1)	1.9
Antoine Constant B #	2541.50 kPa, C
Temperature Limits for Antoine Equation	+40 to +105 C



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Specifications	Limits
Saturated Vapour Concentration @ 20C	198 g/m ³
Naphthenes	35 % m/m
Sulphur	<0.5 mg/kg
Lower Explosion Limit in Air	0.9 % v/v
Upper Explosion Limit in Air	6.8 % v/v
Auto Ignition Temp	310 C (ASTM E659)
Electrical Conductivity @ 20C	<1 pS/m
Aniline point	63 C

Specifications	Limits
Pour point	<-50 C
Kauri-Butanol Number	33
Viscosity @ 25°C	0.72 mm ² /s
Surface Tension @ 20C	22 mN/m



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Specifications	Limits
Hydrogen Bonding Index	0
Paraffins	65 % m/m



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