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Typical Product Specifications & Properties

SBP 140/165

CAS Number: : 64742-49-0

Specifications	Limits
Benzene	<3 mg/kg
Auto Ignition Temp	250 C (DIN 51794)
Antoine Constant C #	350.000 kPa, C
Coefficient of Cubic Expansion @ 20C	12 10 ⁻⁴ /C
Distillation - Dry Point	161 C
Antoine Constant A #	7.60100 kPa, C
Antoine Constant B #	2768.44 kPa, C
Vapour Pressure @ 20C	1.3 kPa
Paraffins	65 % m/m
Lower Explosion Limit in Air	0.8 % v/v
Thermal Conductivity @ 20C	0.13 W/m/C
Fractional Polarity	0



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Specifications	Limits
Density @ 15 ° C	0.750 kg/L
Refractive Index @ 20° C	1.417
Colour	+30 Saybolt
Bromine Index	<5 mg Br/100g
Distillation - Initial Boiling Point	143 C
Relative Evaporation Rate (nBuAc=1)	0.56
Relative Evaporation Rate (Ether=1)	20
Temperature Limits for Antoine Equation	+20 to +145 C
Vapour Pressure @ 0C	0.49 kPa
Saturated Vapour Concentration @ 20C	69 g/m ³
Naphthenes	35 % m/m
Aromatics	<5 mg/kg



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Specifications	Limits
n-Hexane	<0.1 % m/m
Sulphur	<0.5 mg/kg
Flash Point (Abel)	26 C
Upper Explosion Limit in Air	6.0 % v/v
Auto Ignition Temp	287 C (ASTM E659)
Electrical Conductivity @ 20C	<1 pS/m
Aniline point	67 C
Pour point	<-50 C

Specifications	Limits
Kauri-Butanol Number	32
Viscosity @ 25°C	0.94 mm ² /s
Surface Tension @ 20C	22 mN/m
Hildebrand Solubility Parameter	7.5 (cal/cm ³) ^{1/2}



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Specifications	Limits
Hydrogen Bonding Index	0
Molecular weight	128 g/mol



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