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Typical Product Specifications & Properties

SBP 60/95 LNH

CAS Number: : 64742-49-0

Specifications	Limits
Relative Evaporation Rate (nBuAc=1)	6.3
Saturated Vapour Concentration @ 20C	542 g/m ³
Kauri-Butanol Number	33
Refractive Index @ 20° C	1.391
Antoine Constant A #	7.42000 kPa, C
Antoine Constant B #	2205.60 kPa, C
Vapour Pressure @ 20C	15 kPa
Paraffins	70 % m/m
Naphthenes	30 % m/m
Aromatics	<5 mg/kg
Benzene	<3 mg/kg
Lower Explosion Limit in Air	1.0 % v/v



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Specifications	Limits
Viscosity @ 25°C	0.57 mm ² /s
Hildebrand Solubility Parameter	7.3 (cal/cm ³) ^{1/2}
Density @ 15 ° C	0.701 kg/L
Coefficient of Cubic Expansion @ 20C	13 10 ⁻⁴ /C
Distillation - Initial Boiling Point	70 C
Distillation - Dry Point	92 C
Vapour Pressure @ 0C	6.3 kPa
n-Hexane	2 % m/m
Sulphur	<0.5 mg/kg
Upper Explosion Limit in Air	7.3 % v/v
Auto Ignition Temp	413 C (ASTM E659)
Colour	+30 Saybolt



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Specifications	Limits
Bromine Index	<5 mg Br/100g
Auto Ignition Temp	280 C (DIN 51794)
Electrical Conductivity @ 20C	<1 pS/m
Antoine Constant C #	333.750 kPa, C
Temperature Limits for Antoine Equation	+10 to +80 C
Aniline point	61 C
Pour point	<-50 C
Surface Tension @ 20C	20 mN/m

Specifications	Limits
Thermal Conductivity @ 20C	0.12 W/m/C
Hydrogen Bonding Index	0
Molecular weight	92 g/mol
Flash Point (Abel)	-26 C



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Specifications	Limits
Fractional Polarity	0
Relative Evaporation Rate (Ether=1)	2.3



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