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Typical Product Specifications & Properties

SBP 40/65 LNH

CAS Number: : 64742-49-0

Specifications	Limits
Colour	+30 Saybolt
Relative Evaporation Rate (nBuAc=1)	10.7
Vapour Pressure @ 0C	19 kPa
Refractive Index @ 20° C	1.367
Distillation - Initial Boiling Point	46 C
Distillation - Dry Point	63 C
Flash Point (Abel)	-50 C
Upper Explosion Limit in Air	7.5 % v/v
Auto Ignition Temp	392 C (ASTM E659)
Aniline point	71 C
Hildebrand Solubility Parameter	7.1 (cal/cm ³) ^{1/2}
Coefficient of Cubic Expansion @ 20C	15 10 ⁻⁴ /C



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Specifications	Limits
Bromine Index	25 mg Br/100g
Relative Evaporation Rate (Ether=1)	1.0
Vapour Pressure @ 20C	42 kPa
Naphthenes	3 % m/m
Benzene	<3 mg/kg
Sulphur	<0.5 mg/kg
Lower Explosion Limit in Air	1.1 % v/v
Surface Tension @ 20C	17 mN/m
Thermal Conductivity @ 20C	0.12 W/m/C
Molecular weight	79 g/mol
Density @ 15 ° C	0.648 kg/L
Saturated Vapour Concentration @ 20C	1.302 g/m ³



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Specifications	Limits
Paraffins	97 % m/m
Aromatics	<5 mg/kg
n-Hexane	2 % m/m
Electrical Conductivity @ 20C	<1 pS/m
Pour point	<-50 C
Kauri-Butanol Number	30
Hydrogen Bonding Index	0
Fractional Polarity	0

Specifications	Limits
Auto Ignition Temp	280 C (DIN 51794)



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