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Typical Product Specifications & Properties

SBP 80/95 LNH

CAS Number: : 64742-49-0

Specifications	Limits
Hydrogen Bonding Index	0
Distillation - Initial Boiling Point	86 C
Coefficient of Cubic Expansion @ 20C	13 10 ⁻⁴ /C
Refractive Index @ 20° C	1.399
Colour	+30 Saybolt
Distillation - Dry Point	93 C
Relative Evaporation Rate (nBuAc=1)	4.8
Relative Evaporation Rate (Ether=1)	2.9
Antoine Constant B #	2450.95 kPa, C
Temperature Limits for Antoine Equation	+25 to +85 C
Vapour Pressure @ 0C	4.0 kPa
Paraffins	60 % m/m



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Specifications	Limits
n-Hexane	2 % m/m
Flash Point (Abel)	-15 C
Electrical Conductivity @ 20C	<1 pS/m
Hildebrand Solubility Parameter	7.4 (cal/cm ³) ^{1/2}
Density @ 15 ° C	0.719 kg/L
Bromine Index	<5 mg Br/100g
Antoine Constant A #	7.64250 kPa, C
Vapour Pressure @ 20C	9.6 kPa
Naphthenes	40 % m/m
Aromatics	<5 mg/kg
Sulphur	<0.5 mg/kg
Upper Explosion Limit in Air	7.2 % v/v



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Specifications	Limits
Auto Ignition Temp	417 C (ASTM E659)
Aniline point	57 C
Kauri-Butanol Number	35
Viscosity @ 25°C	0.63 mm ² /s
Thermal Conductivity @ 20C	0.12 W/m/C
Fractional Polarity	0
Molecular weight	95 g/mol
Antoine Constant C #	348.070 kPa, C

Specifications	Limits
Saturated Vapour Concentration @ 20C	376 g/m ³
Benzene	<3 mg/kg
Lower Explosion Limit in Air	1.0 % v/v
Auto Ignition Temp	275 C (DIN 51794)



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Specifications	Limits
Pour point	<-50 C
Surface Tension @ 20C	21 mN/m



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