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Typical Product Specifications & Properties

SBP 80/110 LNH

CAS Number: : 64742-49-0

Specifications	Limits
Vapour Pressure @ 20C	9.0 kPa
Lower Explosion Limit in Air	1.0 % v/v
Surface Tension @ 20C	21 mN/m
Naphthenes	35 % m/m
Auto Ignition Temp	270 C
Density @ 15 ° C	0.717 kg/L
Refractive Index @ 20° C	1.399
Colour	+30 Saybolt
Bromine Index	<5 mg Br/100g
Distillation - Initial Boiling Point	87 C
Antoine Constant A #	7.20710 kPa, C
Antoine Constant B #	2121.26 kPa, C



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Specifications	Limits
Antoine Constant C #	319.180 kPa, C
Temperature Limits for Antoine Equation	+20 to +85 C
Vapour Pressure @ 0C	3.6 kPa
Saturated Vapour Concentration @ 20C	354 g/m ³
Flash Point (Abel)	-14 C
Kauri-Butanol Number	34
Viscosity @ 25°C	0.63 mm ² /s
Hildebrand Solubility Parameter	6.4 (cal/cm ³) ^{1/2}
Molecular weight	96 g/mol
Coefficient of Cubic Expansion @ 20C	13 10 ⁻⁴ /C
Relative Evaporation Rate (nBuAc=1)	4.2
Relative Evaporation Rate (Ether=1)	2.9



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Specifications	Limits
Paraffins	65 % m/m
Benzene	<3 mg/kg
n-Hexane	3 % m/m
Sulphur	<0.5 mg/kg
Upper Explosion Limit in Air	7.0 % v/v
Aniline point	58 C
Pour point	<-50 C
Thermal Conductivity @ 20C	0.12 W/m/C

Specifications	Limits
Hydrogen Bonding Index	0
Fractional Polarity	0
Distillation - Dry Point	101 C
Aromatics	<5 mg/kg



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Specifications	Limits
Auto Ignition Temp	367 C
Electrical Conductivity @ 20C	<1 pS/m



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