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Typical Product Specifications & Properties

Isohexane LNH

CAS Number: : 64742-49-0

Specifications	Limits
Auto Ignition Temp	405 C (ASTM E659)
Aniline point	70 C
Upper Explosion Limit in Air	7.4 % v/v
Temperature Limits for Antoine Equation	0 to +55 C
Sulphur	<0.5 mg/kg
Flash Point (Abel)	70 C
Refractive Index @ 20° C	1.375
Antoine Constant B #	2322.21 kPa, C
Vapour Pressure @ 20C	25 kPa
Naphthenes	5 % m/m
Thermal Conductivity @ 20C	0.12 W/m/C
Density @ 15 ° C	0.665 kg/L



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Specifications	Limits
Bromine Index	<5 mg Br/100g
Distillation - Initial Boiling Point	59 C
Antoine Constant A #	7.68550 kPa, C
Aromatics	<5 mg/kg
Fractional Polarity	0
Coefficient of Cubic Expansion @ 20C	14 10 ⁻⁴ /C
Distillation - Dry Point	63 C
Relative Evaporation Rate (nBuAc=1)	9.4
Antoine Constant C #	349.110 kPa, C
Vapour Pressure @ 0C	11 kPa
Saturated Vapour Concentration @ 20C	875 g/m ³
Benzene	<3 mg/kg



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Specifications	Limits
n-Hexane	3 % m/m
Kauri-Butanol Number	30
Viscosity @ 25°C	0.45 mm ² /s
Hildebrand Solubility Parameter	7.2 (cal/cm ³) ^{1/2}
Hydrogen Bonding Index	0
Molecular weight	86
Colour	+30 Saybolt
Relative Evaporation Rate (Ether=1)	1.2

Specifications	Limits
Paraffins	95 % m/m
Pour point	<-50 C
Surface Tension @ 20C	17 mN/m
Lower Explosion Limit in Air	1.0 % v/v



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Specifications	Limits
Auto Ignition Temp	295 C (DIN 51794)
Electrical Conductivity @ 20C	<1 pS/m



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