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Typical Product Specifications & Properties

SBP 100/140

CAS Number: : 64742-49-0

| Specifications | Limits |
|--------------------------------------|---|
| Coefficient of Cubic Expansion @ 20C | 12 10 ⁻⁴ /C |
| Relative Evaporation Rate (Ether=1) | 6 |
| Vapour Pressure @ 20C | 4.4 kPa |
| Hildebrand Solubility Parameter | 7.5 (cal/cm ³) ^{1/2} |
| Antoine Constant C # | 349.980 kPa, C |
| Aromatics | <5 mg/kg |
| Fractional Polarity | 0 |
| Antoine Constant A # | 7.51210 kPa, C |
| Vapour Pressure @ 0C | 1.8 kPa |
| Benzene | <3 mg/kg |
| n-Hexane | <0.1 % m/m |
| Flash Point (Abel) | 1 C |



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| Specifications | Limits |
|---|-------------------|
| Auto Ignition Temp | 260 C (DIN 51794) |
| Thermal Conductivity @ 20C | 0.13 W/m/C |
| Molecular weight | 110 g/mol |
| Density @ 15 ° C | 0.728 kg/L |
| Refractive Index @ 20° C | 1.407 |
| Colour | +30 Saybolt |
| Bromine Index | <5 mg Br/100g |
| Distillation - Initial Boiling Point | 1.06 C |
| Distillation - Dry Point | 1.36 C |
| Relative Evaporation Rate (nBuAc=1) | 1.9 |
| Antoine Constant B # | 2541.50 kPa, C |
| Temperature Limits for Antoine Equation | +40 to +105 C |



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| Specifications | Limits |
|--------------------------------------|-------------------------|
| Saturated Vapour Concentration @ 20C | 198 g/m ³ |
| Naphthenes | 35 % m/m |
| Sulphur | <0.5 mg/kg |
| Lower Explosion Limit in Air | 0.9 % v/v |
| Upper Explosion Limit in Air | 6.8 % v/v |
| Auto Ignition Temp | 310 C (ASTM E659) |
| Electrical Conductivity @ 20C | <1 pS/m |
| Specifications | Limits |
| Aniline point | 63 C |
| Pour point | <-50 C |
| Kauri-Butanol Number | 33 |
| Viscosity @ 25°C | 0.72 mm ² /s |
| Surface Tension @ 20C | 22 mN/m |



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| Specifications | Limits |
|------------------------|----------|
| Hydrogen Bonding Index | 0 |
| Paraffins | 65 % m/m |



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