

**technisches Datenblatt:
ShellSol T**

CAS-Nr.: 64741-65-7

EG-Nr.: 265-067-2

Registr.-Nr.: 01-2120009436-62-XXXX

Oelfabrik Schmidt GmbH
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Property	Unit	Method	Value
Density @ 15°C	kg//L	ASTM D4052	0,761
Coefficient of Cubic Expansion @ 20°C	10 ⁴ / °C	Calculated	10
Refractive Index @ 20°C	/	ASTM D1218	1,425
Colour	Saybolt	ASTM D156	+ 30
Bromine Index	mg Br / 100g	ASTM D1492	400
Copper Corrosion (1hr @ 100°C)	/	ASTM D130	1
Doctor Test	/	ASTM D4952	Negative
Non Volatile Matter	mg / 100ml	ASTM D1353	1
Distillation, Initial Boiling Point	°C	ASTM D1078	189
Distillation, Dry Point	°C	ASTM D1078	215
Relative Evaporation Rate (BuAc=1)	/	ASTM D3539	0,08
Relative Evaporation Rate (Ether=1)	/	DIN 53170	110
Antoine Constant A #	kPa, °C	/	6,71506
Antoine Constant B #	kPa, °C	/	2009,16
Antoine Constant C #	kPa, °C	/	241,891
Antoine Constants:	°C	/	+40 to + 140
Vapor Pressure @ 0°C	kPa	Calculated	0,03
Vapor Pressure @ 20°C	kPa	Calculated	0,11
Saturated Vapor Concentration @ 20°C	g/m ³	Calculated	8
Paraffins	% m/m	GC	> 98
Naphthenes	% m/m	GC	< 2
Aromatics	mg/kg	SMS 2728	100
Benzene	mg/kg	GC	< 3
Sulfur	% m/m	GC	< 0,5

**technisches Datenblatt:
Spezialbenzin 100/140**

CAS-Nr.: 64742-49-0

EG-Nr.: 920-750-0

Registr.-Nr.: 01-2119473851-33-XXXX

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Property	Unit	Method	Value
Flash Point, (Abel)	°C	IP170	61
Lower Explosion Limit in Air	% v/v	/	0,6
Upper Explosion Limit in Air	% v/v	/	6,0
Auto Ignition Temperature	°C	ASTM E659	430
Electrical Conductivity @ 20°C	pS/m	ASTM D4308	< 1
Dielectric Constant @ 20°C	/	/	2,1
Aniline Point	°C	ASTM D611	85
Kauri-Butanol Value	/	ASTM D1133	26
Pour Point	°C	ASTM D97	< -50
Viscosity @ 25°C	mm²/s	ASTM D445	1,9
Surface Tension @ 20°C	mN/m	Du Nouy ring	24
Thermal Conductivity @ 20°C	W/m/°C	/	0,13
Hildebrand Solubility Parameter	(cal/cm³) ^{1/2}	/	7,4
Hydrogen Bonding Index	/	/	0
Fractional Polarity	/	/	0
Heat of Vaporization at T _{boil}	kJ/kg	/	250
Heat of Combustion (Net) @t 25°C	kJ/kg	/	45.500
Specific Heat @ 20°C	kJ/kg/°C	/	2,0
Molecular Weight	g/mol	Calculated	171

In the Antoine temperature range, the vapor pressure P (kPa) at temperature T (°C) can be calculated by means of the Antoine equation: $\log P = A * B/(T+C)$

ShellSol T wird insbesondere bei Anwendungen verwendet, die von einem geringen Geruch profitieren. Dazu gehören Haushaltsprodukte (Reinigungsmittel, leichter Kraftstoffe, Wachse und Polituren), Oberflächenbeschichtungen, Druckerfarben, Industrie- und Textilreinigung, Fotokopier-Tonerdispersionen, Kosmetika, Pestizidformulierungen und Tapetenherstellung.