

Trade name MasimoSol A150

Product Category Aromatics

CAS Registry Number 64742-94-5

EINECS Number 265-198-5

Description MasimoSol A150 is a C9-C10 aromatic hydrocarbon solvent.

Property	Unit	Method	Value
Density @ 15°C	kg/l	ASTM D4052	0.893
Cubic Expansion Coefficiency @ 20°C	(10 ⁻⁴)/°C	Calculated	9
Refractive Index @ 20°C	-	ASTM D1218	1.512
Color	Saybolt	ASTN D156	+30
Copper Corrosion (3hr @ 100°C)	-	ASTM D130	1
Doctor Test	-	ASTM D235	Negative
Distillation, IBP	°C	ASTM D1078	183
Distillation, DP	°C	ASTM D1078	209
Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.06
Relative Evaporation Rate (Ether=1)	-	DIN 53170	150
Antoine Constant A #	kPa, °C	-	7.45653
Antoine Constant B #	kPa, °C	-	2459.76
Antoine Constant C #	kPa, °C	-	269.313
Antoine Constants: Temperature range	°C	-	+20 to +140
Vapor Pressure @0°C	kPa	Calculated	0.02
Vapor Pressure @20°C	kPa	Calculated	0.09
Saturated Vapor Concentration @20°C	g/m ³	Calculated	5
Aromatics	%v/v	ASTM D1319	> 99
Benzene	mg/kg	GC	< 3
Sulfur	mg/kg	SMS 1897	< 0.5
Flash Point	°C	ASTM D93	62.5

Auto Ignition Temperature	°C	ASTM E659	496
Explosion Limit: Lower	%v/v	-	0.6
Explosion Limit: Upper	%v/v	-	7
Electrical Conductivity @20°C	pS/m	-	< 10
Dielectric Constant @20°C	-	-	2.4
Aniline Point, Mixed	°C	ASTM D611	15
Kauri-Butanol Value	-	ASTM D1133	95
Freezing Point	°C	-	-25
Pour Point	°C	ASTM D97	< -30
Surface Tension @20°C	mN/m	ASTM D971	30
Viscosity @25°C	mm ² /s	ASTM D445	1.2
Hildebrand Solubility Parameter	(cal/cm ³) ^A ½	-	8.7
Hydrogen Bonding Index	-	-	5.3
Fractional Polarity	-	-	0.001
Heat of Vaporization @ Tboil	kJ/kg	-	295
Heat of Combustion (Net) @25°C	kJ/kg	-	42000
Specific Heat @20°C	kJ/kg/°C	-	1.8
Thermal Conductivity @20°C	W/m/°C	-	0.13
Molecular Weight	g/mol	Calculated	130

(#) In the Antoine temperature range, the vapor pressure P (kPa) at temperature T (°C) can be calculated by means of the Antoine equation: $\text{Log } P = A - B/(T+C)$

Test Methods

Copies of copyrighted test methods can be obtained from the issuing organisations:

American Society for Testing and Materials (ASTM): www.astm.org

N.B: For routine quality control, local test methods may be applied. Such methods have been validated against those mentioned in this datasheet.



Hazard Information

For detailed Hazard Information please refer to the Safety Data Sheet on www.masimochem.com

Storage Handling

Provided proper storage and handling precautions are taken, we would expect the product to be technically stable for at least 12 months. For detailed advice on Storage and Handling, please refer to the Safety Data Sheet on www.masimochem.com/

Trademark

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