



Data Sheet

Issued:

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Product Name

ShellSol A100

Product Code
Q7391 Africa
Product Category
Aromatics
CAS Registry Number

64742-95-6

EINECS Number

265-199-0

Description

ShellSol A100 is a C9-C10 aromatic hydrocarbon solvent

Typical Properties

Property	Unit	Method	Value
Density @15°C	kg/l	ASTM D4052	0.875
Density @20°C	kg/l	ASTM D4052	0.871
Cubic Expansion Coefficient @20°C	(10 ⁻⁴)/°C	Calculated	9
Refractive Index @20°C	-	ASTM D1218	1.500
Color	Saybolt	ASTM D156	+30
Distillation, IBP	°C	ASTM D1078	166
Distillation, 50%v	°C	ASTM D1078	170
Distillation, DP	°C	ASTM D1078	182
Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.16
Vapor Pressure @20°C	kPa	Calculated	0.25
Saturated Vapor Concentration @20°C	g/m ³	Calculated	13
Aromatics	%v/v	ASTM D1319	> 98
Benzene	mg/kg	GC	< 10
Sulfur	mg/kg	ASTM D5453	< 5
Flash Point	°C	IP 170	52
Explosion Limit: Lower	%v/v	-	0.6
Explosion Limit: Upper	%v/v	-	7.0
Electrical Conductivity @20°C	pS/m	-	< 10
Aniline Point, Mixed	°C	ASTM D611	15
Pour Point	°C	ASTM D97	< -30
Surface Tension @20°C	mN/m	Du Nouy ring	29
Viscosity @25°C	mm ² /s	ASTM D445	0.94
Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	8.8
Hydrogen Bonding Index	-	-	5.0
Fractional Polarity	-	-	0.001
Molecular Weight	g/mol	Calculated	123

Test Methods	<p>Copies of copyrighted test methods can be obtained from the issuing organisations:</p> <p>American Society for Testing and Materials (ASTM) : www.astm.org Energy Institute (IP) : www.energyinst.org.uk</p> <p>For routine quality control analyses, local test methods may be applied that are different from those mentioned in this datasheet. Such methods have been validated and can be obtained through your local Shell Chemicals company.</p>
Quality	<p>ShellSol A100 does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.</p>
Storage and Handling	<p>Provided proper storage and handling precautions are taken we would expect ShellSol A100 to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Material Safety Data Sheet on www.shell.com/chemical</p>
Hazard Information	<p>For detailed Hazard Information please refer to the Material Safety Data Sheet on www.shell.com/chemicals.</p>
Warranty	<p>All products purchased or supplied by Shell Chemicals are subject to terms and conditions set out in the contract, order acknowledgment and/or bill of lading. Shell Chemicals warrant that their product will meet those specifications designated as such herein or in other publications. All other information including that herein, supplied by Shell Chemicals is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine the products' suitability for a particular purpose. Shell Chemicals make no other warranty either expressed or implied, regarding such other information, the data upon which the same is based, or the results to be obtained from use thereof; that any products shall be merchantable or fit for any purpose; or that the use of such other information or product will not infringe any patent.</p> <p>The expression 'Shell Chemicals' refers to the companies of the Shell Group that are engaged in chemical businesses. Each of the companies that make up the Shell Group of companies is an independent entity and has its own separate identity.</p>
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