

	Issued:					
Data Sheet	23-Jul-2009					
Product Name	ShellSol D60					
Product Code	Q3522 Africa					
Product Category	Aliphatics					
CAS Registry Number	64742-48-9					
EINECS Number	265-150-3					
Description	ShellSol D60 consists predominantly of C10- C12 paraffins and naphthenes. Deep hydrogenation gives this solvent a very low aromatic content, negligible amount of reactive impurities and a low, sweet odour.					
Typical Properties	Property	Unit	Method	Value		
	Density @15°C	kg/l	ASTM D4052	0.781		
	Cubic Expansion Coefficient @20°C	(10^-4)/°C	Calculated	10		
	Refractive Index @20°C	-	ASTM D1218	1.433		
	Color	Saybolt	ASTM D156	+30		
	Bromine Index	mg Br/100g	ASTM D1492	< 5		
	Doctor Test	-	ASTM D235	Negative		
	Distillation, IBP	°C	ASTM D86	188		
	Distillation, EP	°C	ASTM D86	209		
	Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.04		
	Antoine Constant A #	kPa, °C	-	6.91546		
	Antoine Constant B #	kPa, °C	-	2225.63		
	Antoine Constant C #	kPa, °C	-	257.923		
	Antoine Constants: Temperature range	°C	-	+70 to +200		
	Vapor Pressure @0°C	kPa	Calculated	0.02		
	Vapor Pressure @20°C	kPa	Calculated	80.0		
	Saturated Vapor Concentration @20°C	g/m³	Calculated	5		
	Paraffins	% m/m	GC	50		
	Naphthenes	% m/m	GC	50		
	Aromatics	mg/kg	SMS 2728	100		

Benzene Sulfur

Flash Point

Auto Ignition Temperature

< 3

66

255

< 0.5

mg/kg

mg/kg

 $^{\circ}\text{C}$

°C

GC

SMS 1897

ASTM D93

ASTM E659

	Explosion Limit: Lower	%v/v	-	0.6		
	Explosion Limit: Upper	%v/v	-	6.0		
	Electrical Conductivity @20°C	pS/m	-	< 1		
	Aniline Point	°C	ASTM D611	71		
	Kauri-Butanol Value	-	ASTM D1133	31		
	Pour Point	°C	ASTM D97	< -50		
	Surface Tension @20°C	mN/m	Du Nouy ring	26		
	Viscosity @25°C	mm^2/s	ASTM D445	1.6		
	Hildebrand Solubility Parameter	(cal/cm³)^1/ ₂	-	7.6		
	Hydrogen Bonding Index	-	-	0		
	Fractional Polarity	-	-	0		
	Molecular Weight	g/mol	Calculated	162		
	(#) In the Antoine temperature range, can be calculated by means of the Ar	the vapor pressure P (kPa) at temperature T (°C) toine equation: $log P = A - B/(T+C)$				
Test Methods	Copies of copyrighted test methods can be obtained from the issuing organisations: American Society for Testing and Materials (ASTM): www.astm.org Shell Method Series (SMS) methods are issued by Shell Golabl Solutions International B.V., Shell Research and Technology Centre, Amsterdam, The Netherlands. Copies of SMS can be obtained through your local Shell Chemicals company. 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.					
Quality	ShellSol D60 does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.					
Applications	ShellSol D60 is used in many applications where its inertness and/or low odour is of value, e.g. architectural coatings, wood preservatives, metal cleaning, car dewaxing, photocopier fluids, textile printing, household applications (e.g. lamp oil, barbecue lighter fluid, waxes and polishes), adhesives, dewatering fluids, cosmetics, plastisols and metal working fluids.					
Hazard Information	For detailed Hazard Information please refer to the Material Safety Data Sheet on www.shell.com/chemicals.					
Storage and Handling	Provided proper storage and handling precautions are taken we would expect ShellSol D60 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/chemicals.					
Warranty	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					

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