



Trade Name MasimoSol D70

Product Code MAS 2004

Region Africa

Product Category Aliphatics

CAS Registry 64742-47-8

Number EINECS 265-149-8

Description MasimoSol D70 is a very low aromatic, inert hydrocarbon solvent.

Typical Properties

Property	Unit	Method	Value
Density @15°C	kg/l	ASTM D4052	0.793
Density @20°C	kg/l	ASTM D4052	0.79
Cubic Expansion Coefficient @20°C	(10 ⁻⁴)/°C	-	9
Refractive Index @20°C	-	ASTM D1218	1.436
Color	Saybolt	ASTM D156	30
Distillation, IBP	°C	ASTM D1078	200
Distillation, DP	°C	ASTM D1078	240
Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.01
Vapor Pressure @20°C	kPa	Calculated	0.05
Saturated Vapor Concentration @20°C g/m ³	Calculated	4	
Paraffins	% m/m	GC	60
Naphthenes	% m/m	GC	40
Aromatics	% m/m	SMS 2728	< 0.5
Benzene	mg/kg	GC	< 3
Sulfur	mg/kg	ASTM D5453	< 10
Flash Point	°C	ASTM D93	77
Explosion Limit: Lower	%v/v	-	0.6
Explosion Limit: Upper	%v/v	-	5.5
Electrical Conductivity @20°C	pS/m	-	< 1
Aniline Point	°C	ASTM D611	77
Pour Point	°C	ASTM D97	< -50
Surface Tension @20°C	mN/m	Du Nouy ring	26
Viscosity @25°C	mm ² /s	ASTM D445	2
Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	7.6
Hydrogen Bonding Index	-	-	0
Fractional Polarity	-	-	0
Molecular Weight	g/mol	Calculated	174

Test Methods

Copies of copyrighted test methods can be obtained from the issuing organisations: American Society for Testing and Materials (ASTM) : www.astm.org

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 Masimo Chemicals South Africa (Pty) Ltd company.

Quality

MasimoSol D70 does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.

Storage and Handling

Provided proper storage and handling precautions are taken we would expect MasimoSol D70 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.masimochem.com

Hazard Information

For detailed Hazard Information please refer to the Material Safety Data Sheet on www.masimochem.co.za

Trademark

MasimoSol is a Masimo Chemicals South Africa (Pty) Ltd trademark identity.

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