



**Trade Name** MasimoSol 2325

**Product Code** MAS 2001

**Product Category** Mineral Spirits / White

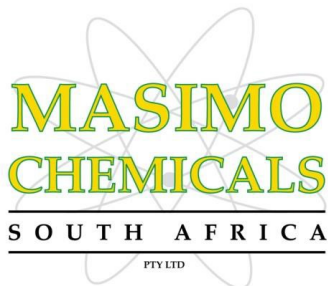
**CAS Registry** Spirits 64742-81-0

**EINCES Number** 265-184-9

**Description** MasimoSol 2325 is a wide cut mixture of paraffins, cycloparaffins and aromatics that boils in between 220 and 250°C. As a consequence of its increased boiling range level, MasimoSol 2325 can be considered as a high flash, slow evaporating type of hydrocarbon solvent.

**Typical Properties**

Property	Unit	Method	Value
Density @ 20°C	kg/L	ASTM D4052	0.814
Coefficient of Cubic Expansion @20°C	10 <sup>-4</sup> /°C	Calculated	9
Refractive Index @20°C	-	ASTM D1218	1.452
Color	Saybolt	ASTM D156	+30
Distillation, Initial Boiling Point	°C	ASTM D1078	217
Distillation, 50 %v	°C	ASTM D1078	226
Distillation, Dry Point	°C	ASTM D1078	241
Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.01
Paraffins	% m/m	GC	44
Naphthenes	% m/m	GC	35
Aromatics	% v/v	ASTM D1319	19
Benzene	mg/kg	GC	< 10
Sulfur	mg/kg	ASTM D5453	< 20
Flash Point	°C	ASTM D93	89
Lower Explosion Limit in Air	% v/v		0.7
Upper Explosion Limit in Air	% v/v		6.5
Electrical Conductivity @ 20°C	pS/m	ASTM D4308	< 1
Aniline Point	°C	ASTM D611	64
Pour Point	°C	ASTM D97	< -30
Viscosity @ 25°C	mm <sup>2</sup> /s	ASTM D445	2.2
Surface Tension @ 20°C	mN/m	Du Nouy ring	28
Hildebrand Solubility Parameter	(cal/cm <sup>3</sup> ) <sup>1/2</sup>	-	7.7
Hydrogen Bonding Index	-	-	0.4
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](http://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.

### Applications

MasimoSol 2325 primary usage is as a solvent in metallurgical applications such as the liquid/liquid extraction of Copper, Uranium and other precious metals. It is also used as a fuel in the manufacture of explosives for the mining industry and in printing inks. MasimoSol 2325 exceeds the Chamber of Mines flashpoint requirements for solvents, used underground.

### Hazard Information

For detailed Hazard Information please refer to the Safety Data Sheet on [www.masimochemicals.com](http://www.masimochemicals.com)

### Storage Handling

Provided proper storage and handling precautions are taken, we would expect the 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.masimochemicals.com](http://www.masimochemicals.com)

### Trademark

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

### Warranty / Disclaimer

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