



Product Code	MAS 2001
Region	Africa
Product Category	MineralSpirits/ White
CAS Registry	Spirits 64742-81-0
Number EINECS	265-184-9
Number	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.
Description	

Typical Properties

Property	Unit	Method	Value
Density @ 20°C	kg/L	ASTM D4052	0.814
Coefficient of Cubic Expansion @20°C	10 ⁻⁴ /°C	Calculated	9
Refractive Index @20°C	-	ASTM D1218	1.452
Colour	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

Property	Unit		Value
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 ² /s	ASTM D445	2.2
Surface Tension @ 20°C	mN/m	Du Nouy ring	28
Hildebrand Solubility Parameter	(cal/cm ³) ^{1/2}	-	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

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

Storage Handling

Provided proper storage and handling precautions are taken we would expect MasimoSol 2325 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

Trademark

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

All products purchased or supplied by Masimo Chemicals South Africa (Pty) Ltd companies are subject to the terms and conditions set out in the contract, order confirmation and/or bill of lading. All other information supplied by Masimo Chemicals South Africa (Pty) Ltd companies, including that herein, is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine a product's suitability for a particular purpose. Except as may be set forth in the applicable contract, order confirmation and/or bill of lading, Masimo Chemicals South Africa (Pty) Ltd companies make no warranty, express or implied, including regarding any information supplied or the data upon which it is based or the results to be obtained from the use of such products or information, or concerning product, whether of satisfactory quality, merchantability, fitness for any particular purpose or otherwise, or with respect to intellectual property infringement as a result of use of information or products, and none shall be implied.

The expression 'Masimo Chemicals South Africa (Pty) Ltd' refers to the companies of the Masimo Chemicals South Africa (Pty) Ltd Group that are engaged in chemical businesses. Each of the companies that make up the Masimo Chemicals South Africa (Pty) Ltd Group of companies is an independent entity and has its own separate identity.