

<b>Trade Name</b>	LAWS
<b>Product Code</b>	MAS 2007
<b>Region Product</b>	Africa
<b>Category CAS</b>	Mineral Spirits / White Spirits
<b>Registry EINCES</b>	64742-82-1
<b>Number</b>	265-185-4

**Description** The White (Mineral) Spirit range consists of products that are water-white, typically boil between 150 and 220°C and are a mixture of paraffins, cycloparaffins and aromatics. In this range LAWS is a faster evaporating hydrocarbon solvent.

### Typical Properties

Property	Unit	Method	Value
Density @ 15°C	kg/L	ASTM D4052	0.775
Density @ 20°C	kg/L	ASTM D4052	0.771
Coefficient of Cubic Expansion @20°C	10 <sup>-4</sup> /°C	Calculated	10
Refractive Index @20°C	-	ASTM D1218	1.439
Color	Saybolt	ASTM D156	+30
Distillation, Initial Boiling Point	°C	ASTM D1078	153
Recovery at 155°C	% v/v	ASTM D1078	3
Recovery at 179°C	% v/v	ASTM D1078	95
Recovery at 195°C	% v/v	ASTM D1078	98
Distillation, Dry Point	°C	ASTM D1078	187
Non Volatile Residue	% v/v	ASTM D1078	1.3
Relative Evaporation Rate (nBuAc=1)	-	ASTM D3539	0.17
Aromatics	% v/v	ASTM D1319	20
Benzene	mg/kg	GC	< 310
Sulfur	mg/kg	ASTM D2624	< 500
Flash Point	°C	IP 170	37
Lower Explosion Limit in Air	% v/v		0.7
Upper Explosion Limit in Air	% v/v		6.5
Electrical Conductivity @ 15°C	pS/m	ASTM D4308	150
Aniline Point	°C	ASTM D611	51
Pour Point	°C	ASTM D97	< -30
Viscosity @ 25°C	mm <sup>2</sup> /s	ASTM D445	1.1
Surface Tension @ 20°C	mN/m	Du Nouy ring	26
Hildebrand Solubility Parameter	(cal/cm <sup>3</sup> ) <sup>1/2</sup>	-	7.9
Hydrogen Bonding Index	-	-	0.5
Fractional Polarity	-	-	0
Molecular Weight	g/mol	Calculated	137



Masimo Chemicals South Africa (Pty) Ltd

Technical Data Sheet

Low Aromatic White Spirit

## Test Methods

Copies of copyrighted test methods can be obtained from the issuing organisations:

American Society for Testing Materials (ASTM) : [www.astm.org](http://www.astm.org)  
Energy Institute (IP) : [www.energyinst.org.uk](http://www.energyinst.org.uk)

**N.B:** For routine quality control, local test methods may be applied. Such methods have been validated against those mentioned in this datasheet.

## Quality

Low Aromatic White Spirit (LAWS) does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.

## 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

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