

Technical Datasheet

Product Name

White Spirit

Product Code

200001730

CAS Registry Number

64742-82-1

Description

White Spirit is a narrow boiling range, medium evaporating solvent widely used in the paint, ink and dry cleaning industries. White Spirit conforms to Australian Standard AS 3530.

Sales Specification

Property	Method	Unit	Minimum	Maximum
Appearance	Visual	Clear & Free From Suspended Matter		
Colour, Saybolt	ASTM D6045	-	25	
Density at 15°C	ASTM D4052	kg/L	0.775	0.790
Distillation, IBP	ASTM D86	°C	145	155
Distillation, 10% v/v	ASTM D86	°C	150	160
Distillation, 50% v/v	ASTM D86	°C	160	170
Distillation, 95% v/v	ASTM D86	°C	180	190
Distillation, FBP	ASTM D86	°C		200
Flash Point, Abel	IP 170	°C	31	
Aniline Point	ASTM D611	°C	48	56
Aniline Point (85-95% volume fraction)	ASTM D611	°C		65
Copper corrosion	ASTM D130	-		1
Evaporation residue	ASTM D1353	mg/100mL		20
Electrical Conductivity	ASTM D2624	pS/m	200	

Storage and Handling

Provided proper storage and handling precautions are taken we would expect White Spirit to be technically stable for at least 12 months. For detailed advice on Storage and Handling please refer to the Safety Data Sheet at www.vivaenergy.com.au/services/sds.

Hazard Information

For detailed Hazard Information please refer to the Safety Data Sheet at www.vivaenergy.com.au/services/sds.

Typical Properties

Property	Method	Unit	Value
Colour, Saybolt	ASTM D6045	-	+30
Density at 15°C	ASTM D4052	kg/L	0.785
Distillation, IBP	ASTM D86	°C	150
Distillation, 10% v/v	ASTM D86	°C	156
Distillation, 50% v/v	ASTM D86	°C	165
Distillation, 95% v/v	ASTM D86	°C	185
Distillation, FBP	ASTM D86	°C	190
Paraffins	GC	% m/m	55
Naphthenes	GC	% m/m	25
Aromatics	GC	% m/m	20
Flash Point, Abel	IP 170	°C	38
Aniline Point	ASTM D611	°C	52
Aniline Point (85-95% volume fraction)	ASTM D611	°C	57
Electrical Conductivity at 23°C	ASTM D2624	pS/m	400

Test Methods

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

American Society for Testing and Materials (ASTM): www.astm.org

Energy Institute (IP): www.energyinst.org.uk

Note: 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 from Viva Energy.

Quality

White Spirit does not contain detectable quantities of polycyclic aromatics, heavy metals or chlorinated compounds.

Warranty

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