

BP REGULAR UNLEADED PETROL**Supply Area:** Australia**Product Code:** M91UL**Application:** Fuel for use in spark ignition engines designed to use Unleaded Petrol with a research octane up to 91. Not for Aviation use.

This fuel complies with the requirements of:-

- Queensland Environment Protection regulations effective July 2000
- South Australian Environment Protection (Fuel Quality) Policy 2002.
- NSW EPA
- Fuels Quality Standards Act 2000.
- This fuel complies with the requirements of the West Australian Environment Protection (Diesel & Petrol) regulations of 2001.

Contains an additive to keep injectors and inlet valves clean.

TEST	UNIT	Typical	LIMIT	METHOD
Appearance		Clear & bright	Clear & Bright	Visual
Colour		Purple or Red	Purple to Red	Visual
Density @ 15°C	kg/L	0.72 -0.74	Report	ASTM D4052
Octane Number - Research (RON)		91-93	91.0 min	ASTM D2699
Octane Number – Motor (MON)		81-83	81.0 min	ASTM D2700
Anti Knock Index AKI		86	N/A	(R+M)/2
Sulphur - total	mg/kg	80	150 max	ASTM D5453
Lead	mg/L	<1	5 max	ASTM D3237
Phosphorus	mg/L	<1.3	1.3 max	ASTM D3231
Aromatics - WA	% vol	25	42 max	ASTM D1319
- Other states			45 max	
Olefins	% vol	16	18 max	ASTM D1319
Gum-solvent washed	mg/L	<10	50 max	ASTM D381
Induction Period @ 100°C	minutes	>420	360 min	ASTM D525
Copper Corrosion 3h @ 50°C		<1	1 max	ASTM D130
Flexible Volatility Index (FVI)			Table 1	Calculated
Benzene	% vol	0.6	1.0 max	ASTM D5580
Distillation:				ASTM D86
- 10% evaporated	°C	45	65 max	
- 50% evaporated	°C	105	115 max	
- 90% evaporated	°C	160	183 max	
- FBP	°C	190	210 max	
- Residue	% vol	<0.5	2 max	

Notes:

1. For ports south of and including Carnarvon (Western Australia) and Brisbane (Queensland) during the period 1 APR to 31 AUG the following distillation limits shall apply:

10% evaporated	- 60°C max
50% evaporated	- 112°C max.
2. Oxygenates are not added to this fuel, Total Oxygenate is less than 1.0 % volume, in West Australia Oxygenate MTBE is less than 0.1% volume

BP REGULAR UNLEADED PETROL**Table 1: FVI MAXIMA**

LOCATION OF TERMINALS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
New South Wales	98	100	102	107	114	120	120	117	110	105	102	98
Victoria	95	96	102	110	119	124	125	121	116	109	104	99
South Australia	89	91	97	104	114	119	119	114	109	100	95	91
Tasmania	106	106	112	117	124	127	127	125	121	117	114	110
South Queensland	98	98	98/ 104	108	113	116	116	112	108	104	100/ 98	98
Gladstone Mackay	96	98	102	105	108	110	108	106	103	98	96	96
Townsville Nth QLD	91	97	101	105	108	110	108	106	98	92	90	90
Darwin Alice Springs	90	94	98	102	102	102	100	98	96	92	90	90
Perth Kalgoorlie	93	95	100	107	112	118	119	118	114	108	102	97
Bunbury Albany Esperance	100	100	108	116	120	122	122	120	118	110	106	100
Port Hedland N.W. Australia	90	92	94	96	104	108	104	100	94	88	88	88
Geraldton Carnarvon	92	94	98	106	112	118	114	112	108	100	94	92

FVI= RVP + 0.7 E70**where E70 = % Evap. @ 70C° and RVP= Reid Vapour Pressure/kPa**

BP guarantees that this product is fit for the purposes described above, and meets all legislative requirements. BP reserves the right to vary this specification from time to time without notice provided the product continues to meet legislative requirements.