



BP Ultimate Unleaded

Applications

- BP Ultimate Unleaded has been designed to be used in modern high performance cars and motorcycles designed to use unleaded fuels of 98 octane.
- It can also be used in cars and motorcycles designed for Premium Unleaded Petrol (95 octane), including pre-1986 cars that require a high octane fuel, but performance benefits may not be so apparent unless the vehicle is fitted with a knock sensor that can adjust the engine to take advantage of the higher octane.
- Pre-1986 cars and motorcycles, and Classic cars and motorcycles can also use BP Ultimate Unleaded in conjunction with an additive to protect against valve seat recession. In terms of octane it is equivalent to the British 4 star grade and so is suitable for many classic British sports cars of the 1960s and 1970s.
- BP Ultimate Unleaded contains a high dose of detergent additive to keep engines clean but with high performance small carburetors, such as go-karts and some motorcycles, this may hold water droplets on the diaphragms on humid days leading to the engine running leaner and hotter if it has been precisely tuned to that air -fuel mix. As a result, BP recommends the use of Premium Unleaded 95 in these applications in humid climates.
- BP Ultimate Unleaded is seasonally blended to help cars start easily and to give best fuel economy all year round.

Fuel for use in spark ignition engines.

Not for aviation use

Main Benefits

- High octane rating (98 Octane)
 - High density fuel – can give better fuel economy
 - Contains additive that cleans and protects the engine
 - Low Sulphur levels reduce engine wear and potentially reduces maintenance costs
 - Lower benzene, sulphur and lower aromatics reduces exhaust emissions
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Specifications

BP Ultimate Unleaded meets or exceeds the performance requirements of the following specifications:

Australian National Fuels Quality Standards Act of 2000, WA Environmental Protection (Diesel and Petrol) legislation of 2001, QLD Environmental Legislation 2000 and SA Environmental Protection Policy 2002 and NSW Protection of the Environment Operations (Clean Air) Amendment Regulation 2004.

Storage

The Materials Safety Data Sheet contains information regarding the correct storage of this product. When stored under appropriate conditions the storage life of this product is 1 year. Note that the volatility of BP Ultimate Unleaded will change monthly so that there are seasonal variations in composition, If in doubt advice should be obtained from the local BP office or Lubricants and Fuels Technical Helpline on 1300 139 700 [local call].

Health, Safety and Environment

Health, safety and environmental information are provided for this product in the relevant Materials Safety Data Sheet. BP Australia or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or Lubricants and Fuels Technical Helpline on 1300 139 700.

Typical Characteristics

TEST	UNIT	LIMIT	METHOD
Octane Number			ASTM D2699
	Research ON	98.0 min	
	Motor ON	86.0 min	
Colour		Pale Yellow	Visual
Density @ 15°C	kg/L		ASTM D4052
Aromatics	%vol	42 max	ASTM D5580
Sulphur - total	mg/kg	50 max	ASTM D5453
Ethanol	% vol	Nil	
Benzene	% vol	1.0 max	ASTM D3606