

Technical Data Sheet

Unleaded 91 Petrol

Commercial 91 Octane (RON) Petrol

Description

- Unleaded 91 petrol meets the requirements of the **Australian Fuels Quality Standards Act 2000**.
- Unleaded 91 petrol has minimum **Research Octane Number of 91**.
- The volatility of Unleaded 91 petrol is varied throughout the year to provide **good cold weather starting in winter and to prevent vapour lock in summer**.

Health and Safety

Unleaded 91 petrol is a highly flammable liquid, classified as a **Dangerous Goods Class 3 Packaging Group II** for transportation purposes. Avoid contact with the skin and eyes, and breathing vapours or mists. For further guidance on product health and safety refer to the appropriate **Material Safety Data Sheet**.

Typical Characteristics

Description	Units	Methods	Typical
Colour	-	Visual	Purple/Bronze → Red*
Octane Number	-	ASTM D2699	91
Distillation	-	ASTM D86	-
10% evaporated	°C	-	46
50% evaporated	°C	-	95
90% evaporated	°C	-	155
Final Boiling Point	°C	-	190
Copper Corrosion (3hr @ 100°C)	-	ASTM D130	1a
Benzene	% vol.	ASTM D3606	0.8 (1.1 max)
Sulphur	mg/kg	ASTM D22622	150 max

* The members of the Australian Institute of Petroleum (AIP) have decided to change the colour of unleaded petrol (ULP) from purple/bronze to red/orange. This change is expected to commence on 1 October 2012 and will take about 12 months to convert the entire supply chain to the red/orange coloured ULP.

Document Information

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