

Opt-in Carbon Neutral Unleaded Petrol

Opt-in Carbon Neutral Unleaded 91, 95, 98 Octane

Description



Viva Energy Opt-in Carbon Neutral Unleaded Petrol is a Climate Active certified product that has undergone rigorous carbon footprint analysis to achieve carbon neutral certification against the Australian Government's Climate Active Carbon Neutral Standard. The purchase of carbon offsets has been used to cancel out greenhouse gas emissions associated with the extraction, transportation, manufacture, supply and combustion of Opt-in Carbon Neutral Unleaded Petrol, by investing in projects that reduce or remove emissions. There are no physical changes to the product so there are no changeover or operability concerns and the product can be used in accordance to applications and specifications as detailed below

Unleaded petrol meets the requirements of the Australian Fuels Quality Standards Act 2000. Unleaded petrols are suitable for use in a variety of spark ignition engines including personal vehicles, motor boats (inboard and outboard), motor bikes, quadbikes and a variety of utility equipment such as generators, chainsaws, lawn mowers and grass trimmers.

Where equipment requires two stroke fuel/oil blends, the equipment manufacturer instructions for oil quality and oil to fuel blend ratio must be followed.

The volatility of Unleaded petrol is varied throughout the year to provide good cold weather starting in winter and to prevent vapour lock in summer for each climatic zone.

Performance Features

Unleaded petrol comes in various Research Octane Grades – of 91, 95 and 98. Higher octane enables higher performance engines and enhanced efficiency.

Unleaded petrol the preferred fuel for use in modern high compression spark ignition and knock-sensored vehicles.

Note: many imported and high-performance vehicles are designed to run exclusively on premium fuels with a minimum 95 octane rating. Please check your vehicle manufacturer's manual.

Health, Safety and Environment

Unleaded 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.

In areas where volatile substance abuse is known to occur Shell Low Aromatic Fuel (91 Octane) may be a more suitable harm minimisation alternative to regular ULP 91.

For further guidance on product health and safety is available on the appropriate Safety Data Sheet which can be obtained from the Viva Energy Technical Help Desk or from www.vivaenergy.com.au

Storage

Drums of fuel should be stored in an upright position under cover protected from rain and direct sunlight, or with drum top covers to prevent ingress of water. Ensure buildings are well ventilated.

Product in unopened drums should be acceptable for use in a 24 month period. Product stored for longer than 24 months or in containers that have been opened should be checked to verify freedom from water, contamination or degradation.

Fuel held in opened drums or in vehicles / equipment should be used within a month.

Specifications / Approvals / Recommendations

Viva Energy Carbon Neutral Petrol is manufactured to meet the specifications of:

- Climate Active Carbon Neutral Product
- Australian Fuel Quality Standards Act 2000
- Fuel Quality Standard (Petrol) Determination 2019
- Western Australia Environmental Protection (Petrol) Regulations 1999
- Victoria Environment Protection (Vehicle Emissions) Regulations 2003
- New South Wales Protection of the Environment Operations (Clean Air) Amendment Regulation 2010

Typical Physical Characteristics

| Properties | Units | Methods | Typical |
|---|----------|------------|--|
| Colour | | Visual | Colourless Pale Yellow |
| Research Octane Number Unleaded 91 Unleaded 95 Unleaded 98 | | ASTM D2699 | 91.0 min 95.0 min 98.0 min |
| Distillation – Final Boiling Point | °C | ASTM D86 | 190 (210 max) |
| Sulphur Unleaded 91 Unleaded 95 Unleaded 98 | mg/kg | ASTM D5453 | 80 (150 max) 26 (50 max) 26 (50 max) |
| Benzene | % vol. | ASTM D3606 | <1.0 max |
| Copper Corrosion(3 hr @ 100 °C) | - | ASTM D130 | 1a |
| Solvent Washed Gum | mg/100mL | ASTM D381 | 0.5 (5 max) |

Technical Help Desk

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|--------------|--|
| Phone | 1300 134 205 |
| Email | technicalhelpdesk@vivaenergy.com.au |