

## Unleaded Petrol Information

In the United States, all motor vehicle gasoline is unleaded and is available in several grades, which are differentiated by octane rating: 87 (Regular), 89 (Mid-Grade), and 93 (Premium) are typical grades[5]. The maximum octane rating in California is generally 91. Minimum octane levels are often lower in the Mountain States, where regular unleaded can be rated as low as 85 octane.

Fuels in the U.S. are described in terms of their "pump octane", which is the mean of their "RON" (Research Octane Number) and "MON" (Motor Octane Number). Labels on gasoline pumps in the U.S. typically describe this as the "(R+M)/2 Method".

Some nations describe fuels according to the traditional RON or MON ratings, so octane ratings cannot always be compared with the equivalent U.S. rating by the "(R+M)/2 method".

In Canada, the most commonly found octane grades are 87 (regular), 89 (mid grade) and 91 (Premium), using the "(R+M)/2 Method".

In Europe, petrol is unleaded and available in 95 RON (Eurosuper) and 98 RON (Super Plus) octanes; in some countries, 91 RON octane petrol is offered as well. Some stations offer 98 RON with lead substitute (often called "Lead-Replacement Petrol, or LRP).

In the UK, leaded 99/100 RON petrol is available through the independent oil company Bayford Thrust (also the UK licensees of the famous Gulf Oil brand). Greenergy supply 99 RON Super Unleaded Tesco services. A special 102-octane fuel (BP Ultimate 102) is available in the UK at a limited number of stations, for racers and car enthusiasts.

In Australia, petrol is unleaded, and available in 91, 95, 98 and 100 Octanes (names of various petrols differ from brand to brand), fuel additives for use in leaded cars are available at most petrol stations.

In New Zealand, gasoline is most commonly available in unleaded 91 and 95 octane levels. 98 octane is also available, and branded as Ultimate at BP service stations, and as Synergy 8000 at Mobil service stations. 96 octane was abolished in 2006.

In China, the most commonly found octane grade is RON 91 (regular), 93 (mid grade) and 97 (premium). Almost all of the fuel has been unleaded since 2000. In some premium gas stations in large cities, such as Petrol China and SinoPec, RON 98 gas is sold for racing cars.