



Fuel Standard (Petrol) Determination 2001

I, ROBERT MURRAY HILL, Minister for the Environment and Heritage, make this Determination under section 21 of the *Fuel Quality Standards Act 2000*.

Dated 12 August 2001

ROBERT HILL
Minister for the Environment and Heritage

1 Name of Determination

This Determination is the *Fuel Standard (Petrol) Determination 2001*.

2 Commencement

This Determination commences on 1 January 2002.

3 Fuel standard for petrol

- (1) Petrol that contains a substance mentioned in the following table must not contain more than the amount mentioned for the substance and the grade of petrol from the date mentioned for the substance.

Item	Substance	Grade	Amount	Date
1	Sulfur	ULP, LRP	500 mg/kg	1 January 2002
2	Sulfur	PULP	150 mg/kg	1 January 2002
3	Sulfur	All grades	150 mg/kg	1 January 2005
4	Benzene	All grades	1% volume by volume	1 January 2006
5	Lead	All grades	0.005 g/L	1 January 2002

Section 3

Item	Substance	Grade	Amount	Date
6	Oxygen	All grades (other than petrol containing at least 10% ethanol)	2.7% mass by mass	1 January 2002
7	Phosphorus	ULP, PULP	0.0013 g/L	1 January 2002
8	DIPE (Di-isopropyl ether, CAS no. 108-20-3)	All grades	1% volume by volume	1 January 2002
9	MTBE (Methyl tert-butyl ether, CAS no. 1634-04-4)	All grades	1% volume by volume	1 January 2004
10	TBA (Tertiary butyl alcohol, CAS no. 75-65-0)	All grades	0.5% volume by volume	1 January 2002

- (2) From 1 January 2005, petrol must have a maximum final boiling point of 210°C.
- (3) Petrol must have a minimum research octane number:
- (a) for ULP — of 91; and
 - (b) for PULP — of 95; and
 - (c) for LRP — of 96.
- (4) The olefin content of petrol must be not more than:
- (a) from 1 January 2004:
 - (i) 20% volume by volume; and
 - (ii) 18% volume by volume pool average over 6 months; and
 - (b) from 1 January 2005 — 18% by volume.
- (5) The aromatic content of petrol must be not more than:
- (a) from 1 January 2002:
 - (i) 48% volume by volume; and
 - (ii) 45% volume by volume pool average over 6 months; and
 - (b) from 1 January 2005:
 - (i) 45% volume by volume; and
 - (ii) 42% volume by volume pool average over 6 months.

- (6) In this clause:

CAS no., for a substance, means the Chemicals Abstracts Service Registry number for the substance.

LRP means lead replacement petrol.

petrol does not include:

- (a) avgas supplied for use in aircraft; or

- (b) petrol supplied for use solely for motor racing at a racing event, or on a race track, approved or recognised by any of the following organisations:
- (i) Confederation of Australian Motor Sport;
 - (ii) National Association of Speedway Racing;
 - (iii) Australian National Drag Racing Association;
 - (iv) Australian Karting Association;
 - (v) Motorcycling Australia.

pool average, for olefin or aromatic content of a grade of petrol, means the average amount of olefins or aromatics in all batches of petrol of that grade manufactured in Australia or imported by a supplier in each 6 months starting on 1 January 2002.

PULP means premium unleaded petrol.

ULP means unleaded petrol.