



Product Information Sheet

R SUR Racing Gasoline

R SUR racing super unleaded is a an unleaded MSA conformant 'pump' petrol designed to be more consistent and provide more protection than super unleaded sourced from roadside pump filling stations. It has a medium oxygen content resulting in increased power, cleaner burning and better response of the engine. The 99RON and 88MON provides protection against knock up to compression ratios as high as 11:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications) and is within the MSA specification (Blue book section P) for competition in all MSA sanctioned events.

The R SUR conforms to the current British Standards for pump fuels BS EN228 and BS7800

TYPICAL APPLICATIONS

- All MSA sanctioned events where gasoline is used as a fuel.
- High Performance vehicles, turbo charged vehicles, water crafts and high revving motorcycles.
- Racing cars, motorcycles, karts and jet skies.
- Modern high performance sports cars.
- Performance Motorcycles.

MEETS REQUIREMENTS

BS 7800 (Super Unleaded)

BS EN228 (Unleaded)

MSA pump fuel specification

FIM, FIA

OUTSTANDING FEATURES

- 99 Research Octane Numbers
- 88 Motor Octane Numbers
- Contains no lead additives
- Controlled mid-range volatility for excellent warm-up, acceleration and drivability
- Keeps carburettors and fuel injectors clean
- Burns cleanly to reduce deposit build up



DESCRIPTION

R SUR racing super unleaded is manufactured from a selected especially sourced SU50 stream that is boosted with carefully selected chemicals and additives. It has an enhanced protection against detonation compared to normal 'pump' fuel under high revs and in tuned engines. It also resists detonation in high performance 'hotter' running modern engines at track days or other severe driving conditions. It has proven to reduce combustion chamber temperatures due to its cold burning properties and found increasing power in normally aspirated engines and turbo charged engines.

The manufacturing process of this fuel is designed to maximise consistency achievable in this price bracket. Every batch is tested to meet our stringent quality control procedures to allow engine tuning for maximum performance.

R SUR burns cleanly and therefore leaves fewer deposits than normal pump fuels, extending engine power throughout the engine's lifecycle. The high quality chemicals used in the R SUR make the fuel more stable and resistant to gum formation than what is commonly experienced in pump fuels. It does not contain any lead additives. A low Reid Vapour Pressure reduces possible vapour locks at hot ambient and/or hot under bonnet temperatures.

R SUR TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figures
Density @ 15°C	kg/litre	ASTM D4052	0.7200-0.7800	0.74
Research Octane (EN228)	RON	ASTM D2699	min 95	99
Motor Octane (EN228)	MON	ASTM D2700	min 85	88
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 2.7	1.8
RVP	psi	ASTM D5191	6.5-8.7	8.5
Nitrogen	%m/m	ASTM D3228	Max 0.1	Conforms
Benzene	% volume	EN 238	Max 1.0	Conforms
Sulphur	ppm	ASTM D2622	Max 10	Conforms
Olefins	% volume	ASTM D1319	Max 18	<5
Aromatics	% volume	ASTM D1319	Max 35	30
Distillation @ 70°C (E70)	% volume	ASTM D86	20-48	35
Distillation @ 100°C (E100)	% volume	ASTM D86	41-71	53
Distillation @ 180°C (E180)	% volume	ASTM D86	Min 85	99
Final Boiling Point (FBP)	°C	ASTM D86	Max 215	185
Colour				Bright & clear