



## Product Information Sheet

# SUNOCO MO2X Racing Gasoline

SUNOCO Performance Products' newest racing fuel, MO2X is blended to meet the needs of small displacement, high rpm and high compression engines. It can be utilised with compression ratios up to 15:1. Ideal for motorcycles, snowmobiles and karts. The SUNOCO MO2X meets all AMA specifications. It is formulated to give improved throttle response and protection against detonation at high load and high rpms. SUNOCO MO2X is oxygenated for maximum performance. MO2X is a leaded racing fuel for off-road use only.

### TYPICAL APPLICATIONS

- All sanctioned events allowing leaded racing gasoline.
- Small capacity, two- and four-stroke high revving, and high compression engines
- Motorcycles, snowmobiles, karts, chainsaws etc
- High revving, high compression car race engines

### MEETS REQUIREMENTS

AMA

### OUTSTANDING FEATURES

- 115+ Research Octane Numbers
- 109 Motor Octane Numbers
- 2.7% oxygen content
- Contains lead
- Fast burning and low FBP (Final Boiling Point)
- Controlled mid-range volatility for excellent warm-up, acceleration and driveability
- Keeps carburettors and fuel injectors clean
- Resists gum formation
- Burns extremely cleanly to resist deposit build up
- Oxidation and corrosion inhibited for longer shelf life
- Complete conformity and quality allows precise engine tuning.



## DESCRIPTION

SUNOCO MO2X leaded racing gasoline is formulated from high octane blend stocks and selected additives. It has a substantially increased protection against detonation compared to normal 'pump' fuel. Its fast burning properties, high octane and oxygen content make the SUNOCO MO2X an excellent choice in highly stressed and/or high revving small capacity race engines.

The manufacturing process of this fuel is designed to provide a fuel that is 100% repeatable and that will perform the same batch after batch. Every batch is tested to meet SUNOCO's stringent quality control procedures to allow precise engine tuning for maximum performance.

SUNOCO MO2X burns extremely cleanly and therefore leaves little or no deposits, allowing maximum engine power for the duration of the engine life. The high quality stocks used in the SUNOCO MO2X make the fuel very stable and resistant to gum formation. A multifunctional additive package provides carburettor and fuel injector detergency and minimises the formation of intake valve deposits. Antioxidants and corrosion inhibitors promote stability and longer shelf life.

## SUNOCO MO2X TYPICAL INSPECTION TESTS

Property	Units	Method	Typical Figure
Density at 15C	kg/litre	ASTM D4052	0.717
Reid Vapour Pressure (RVP)	psi	ASTM D323	4.3
Research Octane	RON	ASTM D2699	115+
Motor Octane	MON	ASTM D2700	109
Lead	g/l	ASTM D3237	<1.0
Oxygen	% m/m	Elemental	2.7
Nitrogen	% m/m	ASTM D3228	Conforms
Peroxides and Nitrooxides	ppm	ASTM D3703	Conforms
Benzene	% volume	ASTM D3606	<1
Sulphur	mg/kg	ISO 8754	<5
Initial Boiling Point	°C	ASTM D86	32
10% evaporation	°C	ASTM D86	49
50% evaporation	°C	ASTM D86	88
90% evaporation	°C	ASTM D86	110
Final Boiling Point (FBP)	°C	ASTM D86	124
Colour			Green