

TECHNICAL DATA SHEET

« Our formula use pure bases to guarantee naturally stable, long-lasting properties, consistent from one production batch to another. This search for constant and optimum quality ensures you obtain first class performance, in conformity with racing requirements. »

USES

ELF MITS 46 is an unleaded fuel for 2-stroke engines, exclusively for use in karting or motorbike circuit racing.

ELF MITS 46 is compliant with **FIA-CIK and FIM regulations**.

Thanks to its high-octane level and its specific formulation, **ELF MITS 46** offers exceptional knocking resistance and a particularly high combustion speed.

ELF MITS 46 has a finer olefin distribution that delays the appearance of the knock phenomenon. The latter is nonetheless less gradual.

ELF MITS 46 result of ELF's expertise in Gran Prix et MX when 2-troke engines were the standard. It is used particuly in Moto 250 cc, 125 cc or Karting.

PROPERTIES

		Typical data
Octane number	RON	101,5
	MON	89,6
Density at 15°C	kg/m ³	765,0
Vapour Pressure at 37,8°C	kPa	48
Distillation	% v/v, at 100°C	58
Air Fuel Ratio at stœchiometry		14,05
Oxygen content	% m/m	2,60
Sulphur content	mg/kg	< 10,0
Lead content	g/L	< 0,005
Benzene content	% v/v	< 1,0

CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Maximized Oxygen content	→	High latent vaporization heat that facilitates mixture cooling before combustion Effect of natural supercharging	→	Increased power by optimization before ignition Remarkable engine response in transient phase
Octane number high limit of FIM regulations	→	Excellent anti-knocking	→	Exceptional reliability under severe conditions Allows optimizing ignition timing for greater power
Wider selection of the best compounds	→	High combustion speeds	→	Improves engine revving up Better use of power at low and high revs

RECOMMANDATIONS

Without advanced settings, **ELF MITS 46** provides significant gains in power and reliability. However, to obtain full benefit of this product, engine setup must be optimized (Air/Fuel ratio, Ignition Timing, ...)

ELF MITS 46 can be mixed with the lubricant **ELF HTX 909** or with **ELF HTX 976+**, for even more efficiency.

Conservation : to maintain its original properties, in accordance with the Fuel Health and Safety regulations, **ELF MITS 46** should be handled and stored in the shade and sheltered from adverse weather conditions and must be perfectly sealed in its drum after each use, in order to avoid losing the lightest fractions.