

# ELF AVSP 11 VS



## 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 AVSP 11 VS** was developed to provide maximal reliability to **sharp engines** running on very high octane (RON > 106) racing fuel. This unleaded fuel replaces to leaded racing special fuel to keep engine legend, race car or motorbike (4-strokes or 2-stroke), running with the best quality fuel.

**ELF AVSP 11 VS** balanced formula makes it easy to use (cold starting, reduction of vapor-lock and constant injection/carburetor setup). Strong anti-valve recession doping maintains high protection levels comparable to those of leaded fuels.

**ELF AVSP 11 VS** can be used on historic circuit, rally, hill climb race and other motorcycle and car applications usually running on leaded petrol with a very high-Octane rating.

**ELF AVSP 11 VS is not compliant with official FIA or FIM regulations.**

### PROPERTIES

		Typical data
<b>Octane number</b>	RON	106.0
	AKI (R+M)/2	101
<b>Specific Gravity at 59°F</b>		0.810
<b>Vapour Pressure at 100°F</b>	Psi	4.1
<b>Distillation</b>	% v/v, at 212°F	60
<b>Air Fuel Ratio at stœchiometry</b>	/	14.09
<b>Oxygen content</b>	% m/m	2.60
<b>Sulphur content</b>	mg/kg	< 10.0
<b>Lead content</b>	g/L	< 0.005
<b>Benzene content</b>	% v/v	< 1.0
<b>Color</b>	Visual aspect	Limpid colourless

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## CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
<b>Octane number RON and AKI very high</b>	→	Excellent resistance of knocking for controlled combustion	→	<b>Exceptional reliability under severe conditions</b>  (compression and heat / humidity rates)  Allows using optimised ignition timing for greater power
Friction modifier & ASVR <b>additives</b>	→	Protection of valve seats  Reduction of internal friction	→	<b>Reliability + higher power</b>
Very low <b>benzene</b> and <b>sulphur</b> contents.  <b>No lead.</b>	→	Harmless	→	<b>No special precautions for use</b>  <b>ELF AVSP 11 VS respects both health and the environment.</b>

## RECOMMENDATIONS

To obtain full benefit from this product, engine setup must be optimized (Air/Fuel ratio, Ignition timing...).

To replace leaded fuels with octane numbers lowest than 105 (RON) and 98 (AKI), use on old natural aspired engines, it is recommended to use **ELF ATMO VINT**.

For 2-stroke use, **ELF AVSP 11 VS** can be used mixed with **ELF HTX 909** lubricant or **ELF HTX 976+**.

**Conservation** : to maintain its original properties, in accordance with the Fuel Health and Safety regulations, **ELF AVSP 11 VS** 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.

## WARNING

California's Proposition 65 - <https://www.p65warnings.ca.gov/>