

## LUBRAL ELC 96%

### DESCRIPTION

Lubral ELC 96% is a antifreeze based on light-duty carboxylic acids meeting ASTM D3306 standards. Due to its technology, it does not contain nitrites, amines, phosphates or silicates (NAPS free). This product represents the latest generation in automotive coolants for general automotive use for extended change intervals in all vehicles (up to 4 years after initial flushing and filling).

The formula provides superior protection against freezing, corrosion, and overheating in all modern engine cooling systems. It effectively protects against corrosion and deposits in the vital parts of the cooling system, monoblock cooling channels, head, radiator, water pump and exchanger.

Lubral ELC 96% is suitable for use in European, Asian and American automobiles requiring phosphate and silicate free antifreeze recommended for extended service applications.

### BENEFITS

- Excellent heat transfer.
- Excellent protection against pitting.
- Silicate-free, no gel formation in use or storage.

- Superior corrosion protection.
- Due to its organic nature, it is the best protection for aluminum and extended change intervals.

### APPLICATIONS

Use clean softened water, preferably distilled or deionized water. Mining wastewater, seawater or industrial waste water should not be used.

This product should be used diluted. Lubral ELC 96% should be diluted at 50% by volume with water before filling the cooling system.

### MEETS THE FOLLOWING REQUIREMENTS

- ASTM D3306
- ASTM D4985
- GM 6277M
- SAE J1034
- SAE J814
- SAE J1941

Performance is only achieved by using only this product, blending with other antifreezes will be done only in special circumstances and at levels of less than 10 to 20%. When a blend is used, the service interval is that of the lowest performing coolant.

## LUBRAL ELC 96%

### CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
Color	Visual	Fluorescent Yellow
Appearance	Visual	Bright and Clear
Density @20°C, g/ml	ASTM D-4052	1.12
Freezing temperature, °C, 50 % in distilled water	ASTM D-1177	-37
Boiling temperature without dilution, °C	-	160
Boiling temperature, °C, 50 % in distilled water (atmospheric pressure)	ASTM D-1120	107
Boiling temperature, °C, 50 % in distilled water (15 psi)	ASTM D-1120	130
pH	ASTM D-1287	8.0
Alkaline Reserve, min	ASTM D-1121	5.0
Water Content, %, max	ASTM D-1123	5
Foam Tendency, mL/s, max	ASTM D-1881	150/5

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations, that do not affect the yield product during the normal manufacturing and on different mixing locations are expected. Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact [venta@lubral.com](mailto:venta@lubral.com).