



## ANTIFREEZE ELC

### Organic Based Extended Life Coolant

#### PRODUCT DESCRIPTION

ANTIFREEZE ELC is a high quality, extended life coolant produced with organic acid technology. Developed to be used in the radiators of the cooling systems of engines for four seasons. It is an environmentally friendly antifreeze with its formulation that is not containing Boron, Amine, Nitrate, Nitrite, Phosphate and Silicate. It can be safely use in cooling systems of engines made of copper, tin solder, brass, steel, cast iron and cast aluminum alloys.

#### ADVANTAGES

- It is suitable for all seasons use in cooling systems.
- It does not contain Boron, Amine, Nitrate, Nitrite, Phosphate and Silicate.
- It provides economy due to extended cooling life.
- It is more compatible than conventional antifreeze against hard water.
- It avoids residue and deposit formation and accumulation in radiator and water pump.
- It operates compatible with all sealing components.
- It does not damage engine metals and hoses.

#### APPROVALS AND SPECIFICATIONS

- TS 3582
- BS 6580
- ASTM D 3306
- ASTM D 4985
- CUNA NC 856-16
- MB 325.3
- MAN
- Renault Trucks
- Scania
- Deutz
- Leyland
- VW, Audi, Skoda
- Cummins
- Opel
- Ford
- Volvo
- Chrysler
- John Deere

#### CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values
Color	-	-	Red
Density 15,5 °C	g/cm <sup>3</sup>	ASTM D 4052	1,12
Density 20 °C	g/cm <sup>3</sup>	ASTM D 4052	1,11
Reserve Alkalinity (pH=5,5)	ml	ASTM D 1121	12,0
Freeze Point (50% with water)	°C	ASTM D 1177	-38,1
Boiling Point (50% with water)	°C	ASTM D 482	110
Boiling Point (100%)	°C	ASTM D 482	168
pH, 20 °C (%50 with water)	-	ASTM D 1287	9,81
pH, 20 °C (100%)	-	ASTM D 1287	9,59

*All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.*



## ADDITIONAL INFORMATION

### Package

- 1 L
- 3 L
- 16 kg
- 200 kg

### Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

### Health and Safety

Based on the available information, ANTIFREEZE ELC is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative. When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

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