



ANTIGEL LR UNIVERSEL

AMERISE UNIVERSAL ORGANIC ANTIFREEZE



APPLICATIONS

Organic-type **ANTIGEL LR UNIVERSEL** is intended for the sealed or unsealed cooling circuits of motor vehicles.

ANTIGEL LR UNIVERSEL meets the requirements of French standard R15-601 Type I, a reference used by many automobile and industrial vehicle manufacturers.

ANTIGEL LR UNIVERSEL is a universal product, miscible with mineral- and organic-based LRs.

BENEFITS

- Organic technology ensures optimal engine protection, preventing the appearance of deposits, cloudiness or precipitate.
- Maximum protection against freezing.
- Excellent resistance to high temperatures.
- Excellent thermal conductivity ensuring maximum motor cooling.
- Good compatibility with hoses, elastomers and plastics.
- Long-lasting protection thanks to stable corrosion protection over time.

USE

If the coolant used previously is of the mineral type, it is advisable to drain the entire cooling circuit. Comply with manufacturers' recommended draining frequencies.

Because this coolant is concentrated, dilute it with de-mineralised water according to the dilution table below:

% volume of ANTIGEL LR UNIVERSEL	Temperature protection range
33	- 18°C
40	- 25°C
45	- 31°C
50	- 38°C

To maintain the coolant's anti-corrosive properties, do not dilute below 33%.

PERFORMANCE

ANTIGEL LR UNIVERSEL meets the following specifications, among others:

ASTM D3306 and 4985 / SAE J1034 / BS 6580 / AFNOR R 15601 except Ph

ANTIGEL LR UNIVERSEL is universal, and so is suitable for the majority of European manufacturers: Audi, Renault/Dacia, Fiat, Nissan, Opel, VW G12/G12+



CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Colour	-	Visual	Yellow
Density at 20°C	kg/m ³	NF T 60-172	1124
Ash content	%	NF R 15-602-3	1.8
Flash point	°C	NF M 07-019	125
Boiling point	°C	NF R 15-602-4	166
Reserve alkalinity	ml	NF T 78-101	8.5
Foaming tendency at 33% vol. Volume of foam	ml	NF R 15-602-5	30

The typical data provided are only approximate values

Glassware corrosion test (NF R 15-602-7 method) Weight loss in mg/test tube

METAL	Brass	Copper	Welding	Steel	FONTE Fe	Aluminium
STANDARD	± 5	± 5	± 5	± 2.5	± 4	-10 to +20
ANTIGEL LR UNIVERSEL	-1	-0.3	-0.7	+0.8	+2.3	-1.5

Hot plate corrosion in mg/cm²/week (NF R 15-602-8 method)

STANDARD	-1 to +1
ANTIGEL LR UNIVERSEL	-0.5

HEALTH, SAFETY AND ENVIRONMENT

ANTIGEL LR UNIVERSEL contains no nitrites or amines but, like all anti-freeze containing monoethylene glycol, it is subject to regulatory labelling for hazardous substances (harmful if swallowed).

Use gloves, glasses and do not drink, eat or smoke while handling.

KEEP OUT OF REACH OF CHILDREN. DO NOT SWALLOW. KEEP AWAY FROM FOOD AND BEVERAGE, INCLUDING THOSE FOR ANIMALS. DO NOT DISCHARGE INTO DRAINS OR SURFACE WATER. KEEP IN ITS ORIGINAL PACKAGE. DO NOT STORE IN METALLIC PACKAGING

Disposal should be in accordance with current regulations.

Use-by date: date of manufacture + 5 years in its original packaging.

Keep away from bad weather conditions.

Our technical department is available to provide any advice you may need.