



# GUARD REFRIGERANTE ORGÁNICO MQ 100 % / COOLANT OA

## Description

Ethylene glycol-based engine coolant. Totally organic inhibitors added which provide it with excellent protection capacity against the corrosion of all metals, especially aluminium and other light alloys present in engine cooling circuits. Although it may be used in all types of cooling circuits (aluminium, copper, cast) it is particularly recommended in all high pressure aluminium engines where protection at high temperatures is very important.

## Properties

- The high stability of the organic inhibitors used reduces deterioration and therefore circuits can be protected for up to 650,000 km (8,000 h) in heavy vehicle engines, 250,000 km (2,000 h) in light vehicle engines and 32,000 h (or 6 years) for stationary engines. However, we recommend changing all the liquid after 5 years even if this mileage has not been reached.
- Its thermal characteristics enable excellent engine cooling without the fluid boiling.
- Compatible with the metals and alloys present in cooling circuits: aluminium, copper, cast, brass and the most modern alloys.
- It can be mixed with water and other types of ethylene glycol-based antifreezes, but to maintain its excellent protection and resistance levels the circuit must be emptied and cleaned.
- Environmentally friendly: does not contain nitrites, amines, phosphates (NAP free), borates or silicates.
- Compatible with joints, seals and paints.

## Quality levels, approvals and recommendations

- DAIMLER TRUCK: DTFR 29C110\*
  - VW: TL 774 F (G 12+)\*
  - BS: 6580
  - DAF: 74002
  - GM: GMW 3420
  - MB: 325.3 (concentrate)
  - RENAULT: 41-01-001/- -S Type D
  - SAE: J 1034 / J 814
  - VW: TL 774 D (G 12)
  - DEUTZ: DQC CB-14\*
  - ASTM: D3306/D4985
  - CATERPILLAR: Motoren GmbH & Co.KG GCM34
  - FORD: WSS-M97B44-D
  - JENBACHER: TA 1000-0200
  - MB: 326.3 (diluted)
  - RENAULT: Trucks
  - UNE: 26-361-88
- \*Formal approval

## Technical specifications

	UNIT	METHOD	VALUE
Colour	-	Visual	Magenta
pH a 20 ° C	-	ASTM D1287	8.6
Density at 20 ° C	-	ASTM D5931	1.113
Freezing point (at 50%)	°C	ASTM D1177	-40
Boiling point	°C	ASTM D1120	167
Reserve alkalinity	ml HCl 0.1N	ASTM D1121	6.3

The above mentioned characteristics are typical values and should not be considered product specifications.