



## GUARD REFRIGERANTE ORGANICO MQ DILUIDO / COOLANT OAT MQ DILUTED

## Description

Ethylene glycol-based engine cooler. Totally organic inhibitors added, providing excellent protection 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 highly stable organic inhibitors reduce deterioration, so 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.
- Products designed for direct consumption as they contain water treated to prevent hazards due to the formation of calcareous deposits and to prevent corrosion.
- 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.
- MOAHs free (Mineral Oil Aromatic Hydrocarbon).

## Quality levels, approvals and recommendations

- DAF: 74002\*
- MAN: 324 type SNF\*
- ASTM: D 3306/D 4985
- CATERPILLAR: Motoren GmbH & Co.KG GCM34
- GM: GMW 3420
- RENAULT: 41-01-001/- -S Type D
- SAE: J 1034 / J 814
- VW: 774F (G 12+)/TL-774D (G 12)
- DEUTZ: DQC CB-14\*
- MB: 325.3 (concentrate)\*
- BS: 6580
- FORD: WSS-M97B44-D
- JENBACHER: TA 1000-0200
- RENAULT: Trucks
- UNE: 26-361-88
- \*Formal approval

**GUARD REFRIGERANTE ORGANICO MQ DILUIDO / COOLANT OAT MQ DILUTED****Technical specifications**

|                    | UNIT              | METHOD     | VALUE   |         |         |
|--------------------|-------------------|------------|---------|---------|---------|
| Concentration      |                   |            | 30%     | 42%     | 50%     |
| Colour             | -                 | Visual     | Magenta | Magenta | Magenta |
| Active ingredient  | % in weight       | -          | 30      | 42      | 50      |
| Density at 20 °C   | g/cm <sup>3</sup> | ASTM D5931 | 1.045   | 1.059   | 1.068   |
| Freezing point     | ° C               | ASTM D1177 | -18     | -29     | -40     |
| pH a 20 ° C        | -                 | ASTM D1287 | 8.3     | 8.4     | 8.6     |
| Reserve alkalinity | ml HCl 0.1N       | ASTM D1121 | 2.1     | 2.4     | 3       |

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