



# GUARD REFRIGERANTE ORGANICO SI-OAT MQ 50% / COOLA

## Description

Engine coolant antifreeze formulated with ethylene glycol and organic and silicate additives (Si-OAT). Provides optimal protection against the corrosion of all metals and alloys in the state-of-the-art engine cooling circuits. It can be used in any type of cooling circuit, but it is particularly recommended for high-pressure aluminium engines, where protection is of utmost importance.

## Properties

- Product designed for direct consumption as it contains water treated to prevent hazards resulting from the formation of calcareous deposits and prevent corrosion.
- Environmentally friendly: it does not contain nitrates, amines, or phosphates (NAP free).
- Compatible with the metals and alloys present in cooling circuits: aluminium, copper, cast metals, brass, and the most modern alloys.
- Its thermal characteristics enable excellent engine cooling without the fluid boiling, preventing cavitation.
- Compatible with joints, seals, and paints.
- It can also be used in vehicles that require a quality level of MAN 324 types SNF and NF, as well as VW TL 774F and 774C, as long as it is not mixed with other products.

## Quality levels, approvals and recommendations

- MAN: 324 type Si-OAT\*
- VW: TL 774 G (G12++)\*
- BS 6580:2010
- SAE: J 1034 / J 814
- MB-Approval: 326.5\*
- ASTM: D 3306
- CUMMINS: CES 14603
- UNE: 26-361-88

\*Formal approval

## Technical specifications

	UNIT	METHOD	VALUE
Concentration			50%
Colour	-	Visual	Magenta
Active ingredient	% in weight	-	50
Density at 20 °C	g/cm <sup>3</sup>	ASTM D5931	1.072
Freezing point	°C	ASTM D1177	-40
pH a 20 ° C	-	ASTM D1287	8.5
Reserve alkalinity	ml HCl 0.1N	ASTM D1121	4.6

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