



# Eni Antifreeze Evo DE

**Eni Antifreeze Evo DE** is a multifunctional coolant based on ethylene glycol with the latest silicate inhibitor technology (Si-OAT) and phosphorus additive.

## Characteristics (typical values):

Eni Antifreeze Evo DE	Unit	Value	Test method
Colour	-	colorless	-
Density at 20°C	kg/l	1,120	ASTM D1122
Boiling point	°C	>163	ASTM D1120
pH (in dil. Water)	-	8,5	ASTM D1287
Freezing point (in water)	-	See table	-
Boiling point (in water)	-	See table	-

## Properties and Performance:

- One of the most modern radiator protection products on the market
- Replaces previous Si-OAT generation coolants
- Free from nitrites, borates, amines and 2-ethylhexanoic acid
- Long-term protection against corrosion all year round
- Thermal-oxidative stability
- Flux compatibility for use in controlled atmosphere brazing (CAB)
- State-of-the-art silicate stabilization
- Excellent aluminum passivation
- Excellent hard water stability
- Reduced waste through long drain intervals and fewer material changes
- Compatibility with widely used and common building materials such as metals, alloys, rubbers and engineering (thermo)plastics
- Compatible with ethylene glycol based coolants such as previous Si-OAT generations

## Advantages of the colorless variant:

- Universally usable (mixable with old and new technologies) and therefore colorless to prevent pigment disturbances/color changes.
- Less environmental pollution and less pollution for people because no coloring additive.

## Application:

**Eni Antifreeze Evo DE** is especially suitable for use in modern internal combustion engines (ICE), hybrids and indirect cooling systems of battery electric vehicles (BEV).

Density, freezing and boiling point as well as pH value of the coolant depend on the antifreeze concentration in diluted water:

Eni Antifreeze Evo DE	Density (20°C) [kg/l]	Freezing point [°C]	Boiling point [°C]	pH value
50% solution	1,072	-36,4	109	8,2
35% solution	1,051	-19,9	106	8,1



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In order to achieve the best working conditions, it is recommended to use the product at a concentration of at least 35% up to a maximum of 70% by volume in dil. water.

When selecting the product, the manufacturer's instructions must be observed.

### Specifications:

**Eni Antifreeze Evo DE** can be used backwards compatible with all previous releases and specifications, such as G11, G12+, G12++ and G13.

### It meets the following standards:

- ASTM D3306
- JIS K2234:2018
- FVV R 530:2005
- BS 6580:2010
- Ö-Norm
- GB 29743:2013 (PC)
- AFNOR 15-601

### It is suitable for use in or meets the requirements of:

- BMW LC 87, LC 97, LC 18
- Alfa Romeo, Fiat, Lancia 9.55523
- Chrysler MS 7170
- Opel / Vauxhall GME L1301
- VW G12 EVO (TL 774-L)
- MAN 324NF, MAN 324 Si-OAT
- MWM 0199-99-2091/12
- Iveco standard 18-1830
- Cummins 85T8-2
- MB 325.5
- Deutz DQC CA-14
- Ford ESD-M97B49-A
- Volvo Cars 128 6083/002
- JI Case JIC-501
- MTU / Roll Royce MTL 5048
- Toyota 1WW/2WW Engines