PRODUCT DATA SHEET

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	-
Densitiy 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 based on ethylene glycol
- 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

Advantage of the colorless variant:

Preventing pigment disorders/color changes when switching from colored coolants to the colorless Eni Antifreeze Evo DE.

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	Densitiy (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

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.

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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 of Si-OAT coolants.

Meets the requirements of:

- ASTM D3306
- JIS K2234:2018
- FVV R 530:2005
- BS 6580:2010*
- Ö-Norm* (except RA)
- GB 29743.1 (PC) 2014, 2022*
- AFNOR NF-R-15-601

*modified

Recommended for the use in:

- AGCO Power
- BMW LC 87, LC 97, LC 18
- VW G12 EVO (G11, G12++, G13) (also suitable for silicate-free G12/G12+)
- VW TL 774-L (TL 744-C/G/J) (also suitable for silicate-free TL 744-D/F)
- MAN 324 NF, MAN 324 Si-OAT
- DTFR 29C120 (MB 325.5)
- Deutz DQC CA-14
- Ford ESD-M97B49-A
- Innio Jenbacher
- Volvo Cars 128 6083 / 002 & TR-31854114-002
- Tesla
- Toyota 1WW/2WW Engines