



# eni Antifreeze Spezial

eni Antifreeze Spezial is a silicate, boron, amine, phosphate and nitrite-free coolant, formulated with an innovative technology (O.A.T.) of fully-organic type, that delivers durable performances for prolonged change intervals.

The product is suitable for use in cooling systems of most automotive models.

## CHARACTERISTICS (Typical figures)

### eni Antifreeze Spezial

Colour	-	red-violet
Boiling point	°C	173
Mass Density at 15°C	kg/l	1,120
Freezing point (in water)	-	see table
Boiling Point (in water)	-	see table
pH dil. 50% water	-	8,5

## PROPERTIES AND PERFORMANCE

- eni Antifreeze Spezial is one of the most modern radiator protection products on the market.
- It shows a long-term-protection against corrosion for all kinds of materials used in the engine and radiator manufacturing, e.g. cast iron, aluminium, copper and solder alloys, as well as good compatibility with tubes, sealing and plastics.
- It contains carefully selected silicate, amine, nitrite, boron and phosphate free inhibitors and is therefore environmental friendly.
- In some field experiences eni Antifreeze Spezial has proven its durability along 650.000 km in truck and bus applications and 250.000 km in passenger cars.

## APPLICATIONS

The thermal behaviour of the coolant is closely related to the dilution rate adopted.

The following table shows the freezing/boiling points of the mixture at different dilution rates.

eni Antifreeze Spezial (% Volume)	Water (% Volume)	Freezing point (°C)	Boiling Point (°C)
25	75	-12°C	105°C
33	67	-18°C	106°C
50	50	-38°C	109°C
60	40	-50°C	113°C



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Based on field experience, it is recommended to keep dilution rate within range 40-60% in demineralized water in order to get best performance from the product.

Nevertheless, the prescriptions for suitable type of coolant and dilution modalities are straight responsibility of the vehicle's manufacturer and the user must always comply with them.

Mixing eni Antifreeze Spezial with different coolants could negatively affect overall performances of final mixture.

## SPECIFICATIONS

eni Antifreeze Spezial is officially approved by or meets the specification requirements of the following organizations and car makers:

- VW/AUDI/SEAT/SKODA TL 774 D/F (G 12/G 12+)
- MB 325.3
- MAN 324 Typ SNF
- FORD WSS-M97B44-D
- DEUTZ 0199-99-1115/2091
- OPEL GM 6277M
- RENAULT RVI 41-01-001/Q tipo D
- FVV Heft R443
- O-Norm V 5123
- NATO S-759
- BS 6580
- ASTM D 3306