

# Product Information

## AVENO Antifreeze A11

0002-400002



### Description

AVENO Antifreeze A11 is a high-quality, ethylene glycol-based radiator protection agent that has been specially developed for older vehicle models and modern vehicles with conventional cooling systems. It offers effective protection against frost, corrosion and overheating. The product contains a combination of silicates and proven inhibitors that ensure reliable protection for metal components such as aluminum, copper and cast iron. It is compatible with a wide range of vehicles and meets the requirements of many car manufacturers. Note: AVENO Antifreeze A11 should not be mixed with silicate-free coolants or coolants with other chemical base formulations to ensure optimum performance and protection.

### Instructions for use

Dilution: AVENO Antifreeze A11 must be mixed with fresh water before use. Preferably use distilled or deionized water to avoid deposits and extend the service life of the cooling system. Compatibility: Suitable for older vehicles and vehicles with conventional cooling systems, including aluminum and cast iron components. Change intervals: The change intervals should be observed in accordance with the vehicle manufacturer's specifications. The cooling system should be thoroughly flushed before changing.

### Mixing Table

Frost protection up to approx.	Proportion of frost protection	Proportion of water
-12	25%	75%
-20	35%	65%
-40	50%	50%
-50	60%	40%

### Recommendation

- AFNOR R15-601
- ASTM D1384
- ASTM D2809
- ASTM D3306
- ASTM D4340
- ASTM D4985
- ASTM D6210 Type 1-FF
- BS 6580 (GB)
- Chrysler MS-7170
- CUNA NC 956-16 (Italien)
- Fiat 9.55523
- Fiat PARAFU 11
- Ford WSS-M97B51-A1
- IVECO 18-1830
- JIS K 2234 (Japan)
- MAN 324 NF
- O Norm V 5123 (Österreich)
- SAE J1034
- Suzuki
- UNE 25-361 (Spanien)
- VW TL 774-C (entspricht G11)

### Properties

- Reliably protects the cooling system against frost down to -37 °C (with 1:1 mixture).
- Contains proven inhibitors that protect all metal components in the cooling system.
- Provides a protective film on metal surfaces and prevents corrosion and deposits.
- Suitable for vehicles with older cooling systems.
- Meets international standards and requirements.

### Technical specifications

Properties	Data	Unit	Testing under
Appearance	BLUE		VISUELL
Density at 15°C	1126	kg/m <sup>3</sup>	DIN EN ISO 12185:2024-06
Flash Point (COC)	112	°C	DIN 51758
Freezing Point	-37	°C	ASTM D 1177
Boiling Point	155	°C	ASTM D 1120
pH-Value at 20°C (50 Vol %)	8.4		ASTM D 1287
Reserve alkalinity	<20	mlO,1nHCL	ASTM D 1121
Water content	<5	Gew. %	ASTM D 1123