



PRISTA® ANTIFREEZE Concentrate

AUTOMOTIVE FLUID

Description and application

Prista® Antifreeze Concentrate is antifreeze concentrate for year-round use formulated from ethylene glycol and silicate-free additives based on organic (mono- and di-carboxylic) acids. This product is free of 2-EHA and its derivatives.

Prista® Antifreeze Concentrate is recommended for protection against freezing, overheating and corrosion of internal combustion engines. It is suitable for passenger cars, trucks, buses, off-road equipment, stationary engines, etc. Use only after dilution with distilled or soft water.

It is recommended to use at least 33% v/v of **Prista® Antifreeze Concentrate** in distilled water to ensure good and lasting corrosion protection. The typical mixing ratio is 1:1, which provides freezing protection* at ambient temperatures down to minus 40°C and ensures optimal engine cooling. The use of mixtures containing more than 70%v/v of **Prista® Antifreeze Concentrate** is not recommended.

Specifications

BS	6580
ASTM	D 3306

The table below summarizes freezing protection of **Prista® Antifreeze Concentrate** after dilution with distilled water:

Prista® Antifreeze Concentrate, % v/v	Distilled or Soft water, % v/v	Freezing Protection down to temperature*, °C ASTM D 1177
33	67	- 17
40	60	- 25
50	50	- 40
60	40	- 55
70	30	- 70

*This temperature is the average value of the Initial Crystallization Point and the Pour Point. The exact value of the Freezing Point is determined in laboratory conditions. Approximate values can be obtained by refractometers and hydrometers calibrated for ethylene glycol-based coolants.

Typical characteristics

Parameter	Test Method	Typical Value
Appearance	Visual	Clear liquid
Colour	visual	blue
Relative density at 15.6°C	ASTM D 1122	1.12
Initial crystallization point**, °C	ASTM D 1177	minus 37
pH**	ASTM D 1287	8.5
Foaming***	ASTM D 1881	
– Foam volume, ml		10
– Break time, s		0



– Corrosion***, weight loss, mg/specimen	ASTM D 1384	1
– Copper		5
– Solder		1
– Brass		1
– Steel		1
– Cast Iron		1
– Aluminium		1

**measured on 50 %v/v antifreeze concentrate in distilled water

***measured on 33% v/v antifreeze concentrate in distilled water

Important note: typical test data does not constitute a specification, but an indication based on current production and can be affected by allowable production tolerances. Right to make modifications reserved.

Health, safety and handling

This product is classified as hazardous and therefore requires special labeling. Follow the instructions and requirements for safe handling and storage described in the product's safety data sheet. For more information on product's SDS, storage terms and conditions, and shelf life, please visit: www.prista-oil.com.