

Petrocool® G100 50%
Pre-Diluted Antifreeze/ Coolant
OAT – Organic Acid Technology Ethylene Glycol Engine

Properties

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant is an engine coolant concentrate based on ethylene glycol that needs to be diluted with water before use.

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant contains a corrosion inhibitor package based on salts of organic acids (OAT- Coolant).

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant is free from nitrites, amines, phosphates, borates and silicates.

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant gives engines an optimum degree of protection against corrosion, overheating and frost.

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant contains a blend of inhibitors designed to give a high degree of corrosion protection to cooling system and engine components such as radiators, cylinder blocks/heads and water pumps.

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant is based on BASF BS6580 that meets the requirements of the British Standard BS 6580:2015 and ASTM D 3306.

Furthermore Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant is based on an Organic Acid Technology (OAT) that fulfils the requirements of the following manufacturers;

Applications

- Passenger Cars: Alfa Romeo / Audi (1996–2008) / Bentley (2005-2008) / Chevrolet / Chrysler / Citroën / Dacia / Daihatsu / Ferrari / Fiat / Ford / Honda / Hyundai / Jaguar / Kia / Lancia / Land Rover / Lexus / Lotus / Mazda / MG Rover / MINI (Diesel) / Mitsubishi / Nissan / Opel / Peugeot / Porsche / Renault / Saab / Seat (1997-2007) / Skoda (1998-2008) / Subaru / Suzuki / Toyota / VW (1997-2008).
- Trucks: Daewoo / DAF / Mitsubishi Fuso / Nissan / Renault.
- Engines: DAF / MTU.
- Construction Machinery: GINAF.
- Farm Machinery: CNH (after 2013).

**Performance
Features and
Benefits**

When blending Furthermore Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant as ready-to-use coolant (i.e. an aqueous solution of above described engine coolant concentrate) the following recommendations apply:

Technical Data Sheet

Ready-to-use coolant

For a coolant with good corrosion protection it is recommended to use Furthermore Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant at least 50% by volume of engine coolant concentrate.

Shelf life of at least 2 years when stored in originally closed, air-tight containers at temperatures of maximum 30 degrees Celsius.

Hard water Stability

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant blended from Super Concentrate BS 6580 are stable in solutions of hard water that contain up to 500 ppm calcium chloride.

Miscibility

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant blended from Super Concentrate BS 6580 are stable in solutions of hard water that contain up to 500 ppm calcium chloride.

	Petrocool® G100 33% Pre-Diluted	Performance	Test Method
Typical Physical and Chemical Characteristics	Freeze point as sold	-37°C	ASTM D 1177
	pH as sold	7.5 – 8.5	ASTM D 1287
	Shelf life (unused)	2 years	
	Density (20°C)	1.072 – 1.075	ASTM D 1122
	Water content, %	47 – 51 %	ASTM D 1123
	Reserve alkalinity, ml	2 – 4 ml	ASTM D 1121

Appearance

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant is available only as Green / Red / Blue colored products.

Bittering agent

Petrocool® G100 50% Pre-Diluted Antifreeze/ Coolant contains denatonium benzoate as bittering agent. This quantity fulfills the requirements of BS 6580:2010, if blended with ethylene glycol in the recommended ratio.

Technical Data Sheet

Quality control

The above-listed data average values at the time of going to press of this Data Sheet. They are intended as a guide to facilitate handling and cannot be regarded as specified data. Specified product data are issued as a separate product specifications.

Safety

When using this product, the information and advice in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Notes

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawing, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.