

Shell Antifreeze Super Protection concentrate

Formulation code: CRX866, CRX866p

Description & Advantages

Shell Antifreeze Super Protection are nitrite-, amine-, phosphate free (NAP free) engine coolants based on Mono Ethylene Glycol (MEG), which must be diluted with water before use. Product contain hybrid additive package (HOAT) with inorganic and organic corrosion inhibitors. The technology of inhibitors provides a particularly good corrosion protection in cooling systems.

In all modern engines of car, truck and bus Shell Antifreeze Super Protection gives excellent protection against frost, corrosion, and overheating. It effectively protects against corrosion in the cooling system in engines of both ferrous and aluminium construction.

Because of used technology Shell Antifreeze Super Protection remains effective over a longer period of time. Extended coolant interval for this product is 3 years or 120,000 km. For coolant change intervals follow the vehicle manufacturer recommendations. Safe for all car parts, it comes into contact with.

Shell Antifreeze Super Protection complies with plenty of the European and International quality standards: ASTM D3306/4985 (US), SAE J 1034 (US), BS 6580: 2010 (UK), AFNOR NF R15-601 (FR), FVV Heft R443 (DE), CUNA NC 956-16(IT), E/L 1415 c (MIL IT), UNE 26361-88 (E), JIS K 2234 (J), KSM 2142 (K), EMPA (CH), VW/Audi/Seat/Škoda/Porsche TL 774C (G11), Ford WSS M97B44-C, MB325.0, MAN 324 Type NF, BMW N60069.0, NATO S 759, Mercedes DBL 7700, GM US 6277 M, Volvo (Reg. N260), Chrysler MS 9176, GM US 6277M, Ford ESD M97 B49-A, Opel GM QL 130100, FIAT.

Usage

Shell Antifreeze Super Protection concentrate solution must be diluted with water in a ratio of 1:1 before filling the cooling system. Recommended final fluid concentration is between 33% and 50% by volume.

Dilution Table

Concentration (vol %)	H ₂ O (vol %)	Freeze protection (°C)
50	50	-38

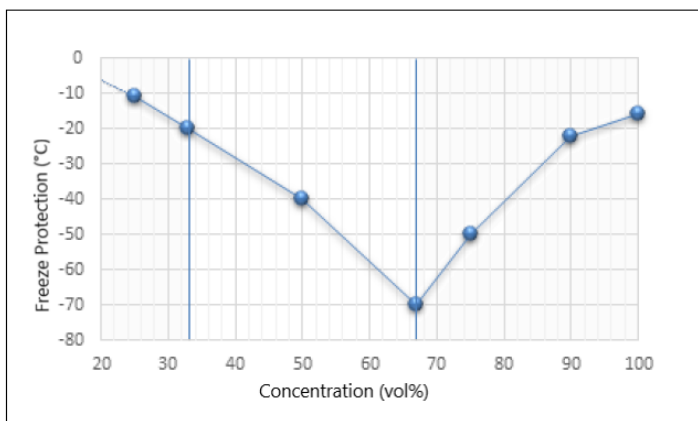
To ensure maximum protection of the cooling system is recommended to completely drain the system, rinsed, then filled with liquid Shell Antifreeze Super Protection already diluted version. Start the engine and warm it with the heater turned on, then fill to the end with the prepared mixture. Always follow the advice of your vehicle manufacturer.

Shell Antifreeze Super Protection can be mixed with similar technology engine coolants based on Mono Ethylene Glycol (MEG) however, it is always recommended to follow the car manufacturer's instructions and in long run, replace the mixture fluid on the homogeneous coolant.

Properties

Chemical nature	Mono Ethylene Glycol with inhibitors		
Physical state	Clear liquid		
Colour	Green		
Properties (below are typical values):			
Density at 20°C (kg/m ³)	conc version	1.120	ASTM D4052
Boiling point	conc version	160°C	ASTM D1120
Density at 20°C (kg/m ³)	50% dil version	1.070	ASTM D4052
Freezing point	50% dil version	-38 °C	
pH value	50% dil version	8.85	ASTM D1287
Boiling point	50% dil version	107°C	ASTM D1120
Miscibility with water	soluble in all proportions		

Schedule of antifreeze protection for mixture Shell Antifreeze Super Protection and water



Stability & Storage

Shell Antifreeze Super Protection is stable for up to 5 years if stored in air-tight containers at maximum temperature of 30°C in dry and well-ventilated place. Keep container tightly closed. Galvanised steel is not recommended for any storage tanks or pipes.

Safety

Product is classified as hazardous according to EC CLP regulations. For details, see Safety Data Sheet. A safety data sheet compliant with applicable regulations is available. No UN number.

Date of issue: 16.01.2024

The information contained in this specification is based on the present state of our best knowledge and experience. Taking into account the diversity of factors that may affect the product during its use, these data do not relieve users of responsibility for carrying out their own tests and experiments; not also mean any legally binding assurances, or suitability for a particular purpose. The responsibility lies with the users of our product that all property rights and legal provisions are respected.