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Product Specification antifreeze coolant liquid CAS No. : 107-21-1



Chemical name :	antifreeze coolant liquid
chemical name :	mixture, based on ethane-1,2-diol with additives
Appearance :	colorless liquid
pH 50% H2O :	ca 8,9
freezing point :	-37°C
Moisture :	max. 0,2 %
Density :	1,112 - 1,116
Packing :	drums

Einecs : 203-473-3

CAS No. : 107-21-1

WGK : 1

Synonym : Frostschutz, Coolant concentrate, Monoethylenglykol, inhibiert

General informations : antifreeze coolant liquid, is an engine coolant concentrate (antifreeze) based on monoethylene glycol, containing no nitrites, amines, or phosphates (NAP-free). This product is suitable for both gasoline and diesel engines. Carefully selected additives provide the following properties in aqueous mixtures:

1. Thermal properties that allow effective engine cooling without boiling.
2. Corrosion protection for all metals and alloys used in the cooling systems of modern vehicles.
3. Frost protection, depending on the selected concentration.
4. Compatibility with rubber and plastics used in the cooling system.
5. Excellent anti-foaming properties.
6. Meets most international and European standards.

antifreeze coolant liquid complies with the following quality standards:

- AFNOR NF R15-601 (France)
- AS 2108 (Australia)
- ASTM D3306 (USA)
- BS 6580: 2010 (UK)
- CUNA NC 956-16 (Italy)
- ONORM V 5123 (Austria)
- FVV Sheet R443 tests (Germany)
- SAE J 1034 (USA)
- UNE 26-361 (Spain)

These specifications, as well as many years of practical experience, have shown that antifreeze coolant liquid is suitable as an engine coolant concentrate for all vehicle types currently manufactured in Europe.

Application :

Although it is always recommended to use deionized or demineralized water to dilute antifreeze, additive antifreeze is formulated to cope with different water qualities and is compatible with hard water.

Additive antifreeze is compatible with all types of plastics and rubbers used in engine cooling systems.

Additive antifreeze is fully miscible with other coolants and can be safely mixed with them.

Protection against corrosion is the most important function of a coolant concentrate and is achieved through a balanced inhibitor package. In modern engines, with the increased use of aluminum alloys and castings with thinner sections, preventing corrosion problems is crucial.

Corrosion products in engine cooling systems can circulate within the system and cause deposits, which can lead to overheating problems.

The inhibitor package is the result of extensive testing, including laboratory tests, simulated operating tests, stationary engine tests, and field trials.

Label :

GHS07,GHS08

Product categories :

alcohols,

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This data is only for your information purposes and does not imply a guarantee for a certain application.

