



PRODUCT DATA SHEET



EKO ANTIFREEZE Engine coolant concentrate

DESCRIPTION

EKO ANTIFREEZE is a concentrated ethylene glycol engine coolant, which contains a selective package of corrosion inhibitors free of amines, nitrates and phosphates. EKO ANTIFREEZE is suitable for diesel and gasoline powered vehicles, and it protects the vehicle's cooling system from rust and corrosion throughout the year.

SPECIFICATIONS

ASTM D 3306, SAE J1034, BS 6580, AFNOR NF R15-601.

It complies with Gov.Gaz.2988/B/22-11-2013.

ANTIFREEZE PROTECTION

The table below shows the antifreeze protection achieved with the corresponding proportion of antifreeze:

| Parts water | Parts EKO ANTIFREEZE | Proportion EKO ANTIFREEZE in the radiator | Antifreeze protection |
|-------------|----------------------|---|-----------------------|
| 3 | 1 | 25% v/v | max. -11°C |
| 2 | 1 | 33 % v/v | max. -17°C |
| 1 | 1 | 50 % v/v | max. -38°C |

ADVANTAGES

- Excellent protection against corrosion and rust.
- Effective anti-freeze and anti-boil protection.
- Compatible with elastomers.
- Miscible with similar type antifreeze fluids.
- Hard water stable.

This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.



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TYPICAL CHARACTERISTICS

| Properties | Methods | Units | EKO ANTIFREEZE |
|---------------------------------|-------------------|-------------|----------------------------|
| Appearance | Visual Inspection | | Clear liquid, no turbidity |
| Colour | Visual Inspection | - | green |
| Amines, nitrates and phosphates | | | Nil |
| Density at 20°C | ASTM D 4052 | g/ml | 1.125 |
| Boiling point | ASTM D 1120 | °C | 165 |
| Reserve Alkalinity, min | ASTM D 1121 | ml 0.1N HCL | 20 |
| pH | ASTM D 1287 | - | 9.2 |
| Foaming characteristics at 88°C | ASTM D 1881 | | |
| Foam height, max | | ml | 50 |
| Foam breaktime, max | | seconds | 3 |

SPECIAL INSTRUCTIONS / USAGE

Suitable for gasoline and diesel vehicles. It is concentrated, so it should be diluted with water before use. Refer to the user's manual for the dilution ratio. To ensure effective anti-corrosion protection, manufacturers recommend dilution in deionized water at a minimum rate of 33% per volume.

Do not mix different brands of concentrated or ready-to-use coolant fluids, as they may contain different technology additives, and the products may not be compatible with each other.

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