



## TECHNICAL SPECIFICATIONS



### EKO ANTIFREEZE SUPER

Engine coolant concentrate

*Long Life - Concentrated*

#### PRODUCT DESCRIPTION

EKO ANTIFREEZE SUPER is an ethylene glycol based engine coolant concentrate, free of ingredients like amines, nitrites, phosphates and silicates, which could lead to the formation of deposits. Contains organic acid technology (OAT) additives, specially developed for modern gasoline and diesel engines.

EKO ANTIFREEZE SUPER ensures long life protection against corrosion and excellent protection against freezing, boiling and rust, even in the most modern engines of the latest generation EURO 5 and EURO 6 passenger cars and heavy duty vehicles.

EKO ANTIFREEZE SUPER is suitable for use in engines manufactured from cast iron, aluminum or a combination of the two metals, and in engine cooling systems made of aluminum or copper alloys.

EKO ANTIFREEZE SUPER is recommended for high-tech engines, where high temperature aluminum protection is very important for their proper operation.

#### SPECIFICATIONS

ASTM D3306, ASTM D4656, BS 6580, SAE J1034, AFNOR NF R15-601, NATO S 759, CUNA NC 956-16, AS 2108, FFV Heft R443, UNE 26361-88, VOLKSWAGEN VAG TL 774D/F (G12/G12+), MAN 324 SNF, MERCEDES BENZ 325.3, , FORD WSS-M97B44-D, RENAULT 41-01-001, GENERAL MOTORS GM 6277M.

#### BENEFITS

- Excellent anti-wear protection and protection against cavitation.
- Long life anti-corrosion protection.
- Extended service intervals up to 5 years, leading to time and cost saving and less waste.
- Compatible with all OAT technology engine coolants.
- Hard water compatible.
- Suitable for mixed fleets, as it allows use of one product for automotive and heavy duty applications.
- Environmentally friendly due to the organic acid technology inhibitors.

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support,

Tel. + 30 210 5509 511, +30 210 7725 418.

For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.

June 2015



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#### TYPICAL PROPERTIES

PROPERTIES	METHODS	UNITS	EKO ANTIFREEZE SUPER
Appearance	VISUAL		Clear liquid,
Colour	VISUAL	-	Pink
Nitrite, amine, phosphate, borate, silicate			Nil
Density @ 20°C	ASTM D 4052	g/ml	typ. 1,117
Reserve Alkalinity	ASTM D 1121	ml 0,1N HCL	typ. 5,2
Freezing Point, 50% dilution	ASTM D 1177	°C	typ. -38
pH (50 volume per cent aqueous solution)	ASTM D1287	-	typ. 8,9
Foaming Characteristics @ 88°C,	ASTM D1881		
<i>Height</i>		ml	35
<i>Breaktime</i>		seconds	1,5

#### SPECIAL INSTRUCTIONS

Suitable for both gasoline and diesel vehicles. Concentrated-should be diluted in water prior to use. For maximum anti-corrosion protection according to OEM specifications, it should be diluted preferably with deionized water. Always consult vehicle handbook for suitable dilution proportion. Typical mixtures are 50/50 (v/v), offering frost protection down to -37°C. Mixtures with more than 70 vol. % EKO ANTIFREEZE SUPER in water are not recommended. Avoid mixing different brands of engine coolant concentrates or predilutes, as they may be incompatible. It is recommended to change EKO ANTIFREEZE SUPER every five years. In the meantime, regular checks for topping up should be performed.

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