



Product Data Sheet

ANTIFREEZE G13

Product Description:

ANTIFREEZE G13 is a long life silicate containing antifreeze based on Organic Acid Technology (OAT) in ethylene glycol to be used as a cooling and heat transferring fluid in the latest generation VAG, MB and MAN combustion engines.

ANTIFREEZE G13 is recommended to use, for good corrosion protection, at at least 33 vol. %, in the coolant solution. Mixtures with more than 70vol. % of **ANTIFREEZE G13** in water are not recommended. The maximum frost protection (about -69°C) is obtained at a mixture of 68 vol%.

ANTIFREEZE G13 may not been used undiluted in a combustion engine.

ANTIFREEZE G13 is based on ethylene glycol and in combination Lobrid additive technology to obtain the following properties.

- Extended life.
- Environmentally friendly due to the absence of borate, nitrite, amines and phosphates
- Reliability
- Excellent corrosion protection for aluminium heat transfer surfaces.
- Excellent cavitation protection.

ANTIFREEZE G13 exceeds the following performance criteria:

VAG TL 774J

MB 325.5

MAN 324 Si-OAT

Property	Unit	Test Method	Typical Value
Color			Light Red/ Voilet
Density @15°C	kg/l	ASTM D5931	1.135
Equilibrium Boiling Point	°C	ASTM D1120	>170
Reserve Alkalinity (pH 5.5)		ASTM D1121	5.7
Refractive Index, 20°C		ASTM D1218	1.437
Freezing Protection			
35% dilution with water	°C		-20
40% dilution with water	°C		-25
50% dilution with water	°C		-37

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