



Gulf Antifreeze XLL

Product Description

Gulf Antifreeze XLL is an Extended Life concentrate based on Mono Ethylene Glycol (MEG) and specially designed corrosion inhibitors to provide protection against frost and corrosion. It needs to be mixed with appropriate amount of water for using as cooling and heat transfer fluid in internal combustion engines. It is free from potentially harmful additives such as nitrites, amines, borate and phosphates and hence it contributes to a safer environment. It is neutral towards gaskets, hoses and provides good resistance against foam.

Features & Benefits

- It is extended life coolant based on virtually non depleting synergistic combination of corrosion inhibitors.
- It is having high boiling point which decreases the risk of overheating of Antifreeze.
- It has as improved hard water stability as it does not contain silicates and other mineral salts.
- It is compatible with elastomers used by most of the European OEMs.
- It prevents formation of deposits and scale on the surfaces and also compatible with other MEG based antifreeze.
- It is suitable for mixed fleet

Applications

- It is recommended to be used at least 33% dosage of Gulf Antifreeze XLL in 67% water. For enhanced protection, 50% of concentrate in 50% of water is recommended.
- It is recommended for use in cooling systems of all types of liquid cooled **hi-tech** automotive engines where such types of coolants are used. (Please refer OEM manual for recommended coolant)
- It is particularly recommended where high temperature aluminum protection is important.

Warning: Keep all antifreezes out of reach of children. Do not drink antifreeze. If swallowed, induce vomiting and immediately seek medical advice.

Dilution Table:

Antifreeze	Water	Freeze Protection
33%	67%	Up to -20 °C
40%	60%	Up to -27 °C
50%	50%	Up to -40 °C
60%	40%	Up to -52 °C

Suitable for Use Applications & Typical Properties:

Meets the following Specifications		
ASTM D3306, ASTM D 4656, AFNOR 15-601, SAE J1034, JASO M325/JIS K2234		X
Ford WSS-M97B44-D, Mercedes Benz MB 325.3, General Motors GM 6277M, MAN 324 Type SNF, VW TL 774F		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Density @ 15°C, Kg/l	D 1298	1.116
Equilibrium Boiling Point °C	D 1120	180
Freezing point °C (50 vol %)	D 1177	-40
Reserve Alkalinity	D 1121	6.2
pH value (50 vol %)	D 1287	8.6

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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