



# TECHNICAL DATA

## GB LONG-LIFE ANTIFREEZE

### APPLICATIONS

GB LONG-LIFE ANTIFREEZE is an ethylene glycol based engine coolant concentrate, which uses Organic Acid Inhibitor Technology and is free from nitrites, amines, phosphates, borates, molybdate and silicates. GB LONG-LIFE ANTIFREEZE protects engines from frost damage, as well as providing outstanding protection against rust and corrosion for all parts of the cooling system. Unlike traditional coolants, which utilise inorganic inhibitors, it has excellent hard water stability and very low inhibitor depletion rates.

### PERFORMANCE FEATURES

GB LONG-LIFE ANTIFREEZE, when used at the correct concentration, can continue to provide effective corrosion protection for up to 250,000 km for passenger cars and 500,000 km in commercial vehicles. It is, however, recommended that the coolant is replaced when the above mileages have been reached, or after 5 years, whichever is sooner.

### PERFORMANCE DETAILS

GB LONG-LIFE ANTIFREEZE meets the performance requirements of the following International Standards and OEM specifications:

AFNOR NF R15-601* (*with the exception of reserve alkalinity)	Ford WSS-M97B44-D
ASTM D3306	GM 6277 M
ASTM D4985	MAN 324 (SNF)
BS 6580 (2010)	Mercedes MB 325.3, 326.3
Cummins CES 14603	MERCEDES BENZ Trucks DTFR 29C110, DTFR 29D110
CUNA NC 956-16	NATO S 759
DAF 74002	Renault 41-01-001-D
John Deere H 24 B1 & C1	SAE J 1034
Deutz DQC CB-14	UNE 26361 – 88
FFV Heft R443	VAG TL 774D/F
	VOLVO Coolant VCS Standard 418-0001

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# GB LUBRICANTS

## GB LONG-LIFE ANTIFREEZE

### DILUTION

	Concentration by Volume %				
	25	33	40	50	60
Specific Gravity 20/4°C	1.030	1.045	1.060	1.074	1.087
Freeze Protection* °C	-12	-20	-30	-38	-56

\*Average of Freezing Point and Pour Point

### COMPATIBILITY

Although compatible with other ethylene glycol based coolants, mixing can significantly reduce the working life of GB LONG-LIFE ANTIFREEZE. Therefore, it is recommended that the cooling system, previously filled with another coolant, is drained and flushed with clean water, before filling with GB LONG-LIFE ANTIFREEZE, diluted in accordance with the vehicle manufacturer's instructions.

### CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
Colour	-	-	Clear red-orange
Density at 15°C	Kg/m <sup>3</sup>	ASTM D4052	1119
pH (50% vol)	-	ASTM D1287	8.2

### STORAGE AND HANDLING

GB LONG-LIFE ANTIFREEZE should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on GB LONG-LIFE ANTIFREEZE can be obtained by referring to the corresponding Safety Data Sheet.

***The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.***

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