



Product Information: Antifreeze BS 6580

Description

Antifreeze BS 6580 is an ethylene glycol based coolant concentrate, which is formulated for use in all engines including those constructed from aluminium alloys. The product provides year round frost and corrosion protection and contains an inhibitor package that is free from nitrates, amines, phosphate, borate and silicate. The product exhibits exceptional thermal stability and hence eliminates the risk of deposits particularly near the cylinder head, engine block, radiator, water pump and heat exchanger. The product also contains a bittering agent.

Applications

Ideally Antifreeze BS 6580 concentrate should be diluted with DI water, it is compatible with hard water and may also be mixed with tap water. The concentrate must be mixed with water prior to filling; a dilution rate of 50% in the final coolant solution is recommended to provide frost protection to -37°C.

Performance Features

Outstanding protection against corrosion, overheating and frost
Low Inhibitor depletion rates
Exceptional thermal stability
Nitrate, Amine, Phosphate, Borate and Silicate free

Performance Levels

BS 6580

Water quality should not exceed the following limits:

Water Hardness: 0 – 20° dH (0 – 3.6mmol/l)
Chloride Content: 100ppm max
Sulphur Content: 100ppm max

Typical Data

Characteristic	Unit	Result
Appearance		Clear Blue Liquid
Density @ 15.5°C	kg/l	1.120
Freezing Point (50% vol in DIW)	°C	-37
Boiling Point (50% vol in DIW)	°C	109
pH (50% vol in DIW)		8
Reverse alkalinity @ pH 5.5		3

Figures based on average production values