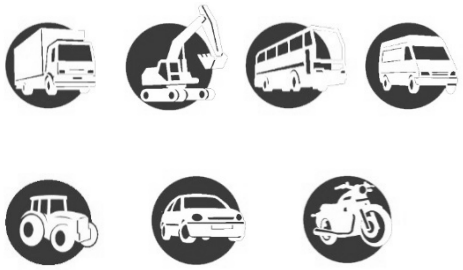
TECHNICAL DATA SHEET

GEM UNIVERSAL 2 YEAR ANTIFREEZE

MEG concentrated engine coolant.

Product code: AFG230



Product Description:

Gem Universal Antifreeze G230 is a coolant concentrate based on monoethylene glycol, containing corrosion inhibitors, no nitrates, amines or phosphates, suitable for all year round use in both petrol and diesel engines.

Application:

G230 has been specially formulated to be truly universal in its application. It provides a high degree of corrosion protection for all engine cooling systems whether of aluminium or ferrous construction

A 50% concentration is recommended for maximum freezing and corrosion protection to minus 33°C

Advantages/Benefits:

- Suitable for use in most petrol & diesel engines
- Excellent corrosion protection
- Protects against overheating
- Protects against freezing
- Suitable as a summer coolant when diluted with water
- All year round usage
- Multi metal compatibility
- Hard water scale prevention

Main Specifications:

BS	6580/92
ASTM	D4985
Colour	Green
Odour	Sweet
Flash point (PMCC)	120°C
Auto Ignition temperature	417°C
Boiling point	170°C
Vapour pressure at 20°C	>10Pa
Density at 20°C	1.130
Kinematic Viscosity at 20°C	24.8 mm²/s

Health & Safety: (Group 1)

Please refer to the relevant MSDS which is available to all customers.

Availability:

Available in bulk & 1000 litre IBCs
200 & 120 litre barrels
20 litres
4 x 5 litres
15 x 1 litres

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Degree of Freezing Protection

Concentration % volume in water	Freezing Protection
25	-12°C
33	-20°C
50	-33°C

The illustrated figures above indicate the temperature at which ice crystals will form.

Please note that concentrations above 50% will cause mixed antifreeze to freeze at a lower temperature.

Corrosion Test Results

BS 5117 Sect 2.2	Weight Loss (mg)		Limit
	Cold Immersion	Hot Immersion	Cold & Hot
Copper	1	1	10 max
Solder	3	2	15 max
Brass	1	1	10 max
Steel	1	2	10 max
Cast Iron	1	2	10 max
Aluminium Alloy	1	2	15 max

BS5117 Sect 2.6	Weight Loss	Limit
Aluminium Alloy Heat rejecting conditions mg/cm² (week)	0.08	1.0 max

Storage

Containers should be stored indoors as Freezing point of neat products is -12°C

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