Shell Antifreeze Concentrate

Concentrated inorganic coolant

Shell Antifreeze Concentrate is an economical coolant supplied in concentrate form which provides frost and corrosion protection. It is a NAP (nitrites, amines, phosphates) free formulation based on inorganic additive technology.

Applications

- ***Water cooling systems in internal combustion engines.***

Performance Features and Benefits

Corrosion protection –

Improved engine reliability and durability

Frost protection –

Winter protection against engine damage

Boiling protection –

Control of overheating, coolant loss and breakdown at high engine temperatures

Miscibility –

Ease of mixing with water

Seal compatibility –

Suitable for general use in all vehicle engines

Hard water stability –

Avoids deposits in the engine when used with hard water

Specification and Approvals

BS 6580
ASTM D 3306
AFNOR R15-601.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet that can be obtained from your Shell representative.

Storage Requirements

Store at ambient temperatures and periods of exposure to temperatures above 35°C Should be minimized. As with any antifreeze coolant the use of galvanized steel is not recommended for pipes or any other parts of the storage/mixing installation.

Typical Physical Characteristics

Shell Antifreeze Concentrate			
Colour			blue
Boiling point	°C	ASTM D 1120	170
Density at 15°C	kg/m^3	ASTM D 4052	1120
Flammability point	°C	ASTM D 92	>122
Reserve alkalinity		ASTM D 1121	>10
Freezing Point °C	50% in water	ASTM D 1177	-38
	33% in water	ASTM D 1177	-18

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.