



TECHNICAL DATA SHEET

Longlife Universal Antifreeze (U913)

Product Description:

Longlife Universal is a monoethylene glycol based ready-to-use engine coolant which uses Organic Acid Inhibitor Technology and is free from nitrites, amines, phosphates, borates and silicates (BTC Classification Type 4E). The additive package has been specifically formulated to provide excellent continued corrosion protection for all types of engines under the most demanding conditions.

Testing has shown that Longlife Universal provides good corrosion protection to all the components found in modern engines. Fleet trials have shown that when used at the correct concentration coolants based on Organic Acid Inhibitor Technology continue to provide effective corrosion protection for up to 250,000 km for passenger cars and 500,000km in commercial vehicles. It is recommended that the coolant is replaced when the above mileages have been reached or after 5 years, whichever is the sooner.

Unlike traditional coolants which employ inorganic inhibitors, Longlife Universal has excellent hard water stability and very low inhibitor depletion rates. It has been extensively tested and shown to be compatible with other monoethylene glycol based coolants and can be safely mixed with them. If Longlife Universal is used in combination with traditional coolant technology it should be assumed that the service life will be that of the traditional coolant.

Freeze Protection:

Colour	Colourless
Concentration (by volume)	100%
Freeze Protection (°C)*	- 40

*Average of freezing point and pour point.

Note: Longlife Universal Antifreeze should be used as supplied.

Product Specification:

Longlife Universal exceeds the requirements of most European and International Standards including:

ASTM D3306, ASTM D4985, SAE J 1034, BS 6580 (1992)

AFNOR NF R15-601*, CUNA NC 956-16, UNE 26361-88, JIS K 2234*, NATO S 759

(* with the exception of reserve alkalinity)