

# Product Information: Cooltech 53

## Description

Cooltech 53 is a premium quality antifreeze coolant concentrate. This ethylene glycol-based coolant contains an Organic Acid Technology (OAT) inhibitor package and is Nitrate, Amine, Phosphate, borate and silicate free. The product provides all year-round frost and corrosion protection and is formulated for use in all engines, including those constructed from aluminium alloys. The exceptional thermal stability eliminates the risk of deposits particularly near the cylinder head, engine block, radiator, water pump and heat exchanger. The product may be used neat as supplied for extreme use or diluted for economic use.

## Performance Features

- Outstanding protection from overheating and frost
- Protects against corrosion
- Exceptional thermal stability
- Free of Nitrate, Amine, Phosphate (NAP Free), borate & Silicates
- Eliminates risk of deposits
- Contains a bittering agent
- Can be diluted or used neat

## Performance Levels

- BS:6580
- ASTM D3306
- SAE J1034
- ASTM D6210
- DAF 74002
- Mercedes 325.3
- MTU MTL 5048
- Volkswagen TL 774-D/F
- MAN 324 SNF
- Cummins CES 14603
- Volvo VCS 418-0001

## Protection Levels

- Extreme (Use Neat) -53°C
  - Winter (CT 53 66% / Water 33%) -28°C
  - Normal (CT 53 50% / Water 50%) -20°C
- Typical information, Not part of a specification

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 (As supplied neat)

Characteristic	Unit	Result
Appearance @ 20°C	-	Clear Red Fluid
Relative Density @ 15.5°C	kg/l	1.08
Freezing Point	°C	-53**
Boiling Point	°C	+109
pH	-	7.9
Reserve Alkalinity @ pH 5.5	-	3.0 typical
Foaming Properties ASTM D1881	Vol(ml)	150 max
	Break (s)	5 max

\*\* Unable to measure any lower, product is clear with no signs of freezing.

Figures are based on average production values and do not represent a specification, Certificate of Analysis available on request.