

# CHAMPION ANTI-FREEZE LONGLIFE G13

An undiluted on ethylene glycol/glycerine based coolant concentrate for use in engines. It employs Hybrid Organic Acid Technology (HOAT) inhibitor, is nitrite, amine, phosphate (NAP) and borate free. It contains some silicate additives which gives a fast healing aluminium protection. This technology provides superior and permanent protection to all components of the cooling system and a life span of 4 - 6 years or 250.000 km for passenger cars and 500.000 km for professional applications.

## APPLICATIONS

Formulated for long-term use in all engines especially those constructed from aluminium, cast iron and magnesium alloys. Not the best choice for older cooling systems that have copper/brass radiators and heater cores, especially not for the lead solder used in them. Suitable when diluted for cooling circuits of the open or closed type (vehicles and heating). Advised to dilute with demineralised water. Protection temperature: -16 °C needs 30% AF // -22 °C needs 40% AF // -36 °C needs 50% AF.

## FEATURES

Anti-freeze properties: Superior cold temperature performance

Anti-corrosion properties: Outstanding corrosion protection

Total system protection: Excellent heat transfer and dispersion

## PERFORMANCE

ASTM

D3306

VW

TL 774-J

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Freezing point 50% vol. AF	ASTM D1177	°C	-36
Reserve alkalinity	ASTM D1121	ml 0.1M HCl	7.0
Density at 20°C	ASTM D4052	g/ml	1.140
Colour	VISUAL		LRED/VIOLET

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

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