

## GLYCOL-G11 ANTIFREEZE COOLANT

UNITED GLYCOL-G11 Antifreeze Coolant is a concentrated glycol formulated with organic acid technology. It was free from Amine, Phosphate, Silicate, Borax and Nitrite.

UNITED GLYCOL-G11 Antifreeze Coolant is designed to offer outstanding protection for the cooling system for 5 years or 240,000km that is an ethylene glycol-based formulation suitable for use in cooling systems of all types of liquid cooled automotive like passenger cars, light trucks and heavy duty vehicles and industrial internal combustion engines. The formulation is designed for both gasoline and diesel engines.

This patent formula is especially recommended for use in all and newer vehicles as well as all other cars and light duty trucks with aluminum radiators.

UNITED GLYCOL-G11 Antifreeze Coolant has also been proved in laboratory to be compatible with all new extended / long life formulas at concentrations typically used in any newer vehicles coming of the line today. These automobile manufactures include but not limit to:

Audi	Honda	Subaru
BMW	Hyundai	Suzuki
Daewoo	Kia	Saab
Daimler Chrysler	Mazda	Toyota
Ford	Mercedes	Volvo
General Motor	Mitsubishi	VW
Holden	Nissan	

UNITED GLYCOL-G11 Antifreeze Coolant is compatible with Aluminum or Copper/Brass and mixed Aluminum/Copper/Brass cooling circuits. The others test data below reflect the high performance corrosion inhibitor characteristic.

### APPLICATIONS / BENEFITS

- Extended service life of 5 years or 240,000km.
- Prevents freezing over of automobile cooling systems up to  $-45^{\circ}\text{C}$ .
- Optimum year-round protection against winter freeze up and summer boil over.

**TYPICAL CHARACTERISTICS**

TEST DESCRIPTION	METHOD	TYPICAL RESULTS
Appearance	Visual	Light Blue
Density (20 °C) g/ml	DIN 51757	1.113
Viscosity (20 °C) mm <sup>2</sup> /s	DIN 51562	26
Viscosity (100 °C) mm <sup>2</sup> /s	DIN 51562	11.6
Boiling point °C	ASTM D1120	>170
Solidifying Point °C	DIN 51583	-45
Refractive Index at 20 °C	DIN 53491	1.436
PH Value	DIN 53785	8.2
Reserve Alkalinity ml	ASTM 1211	16.5
Water	DIN 51777	<3g/100g
Ash	DIN 51575	<2g/100g

**MEETS THE REQUIREMENTS OF**

- MAN 324NF
- Volkswagen TL-VW774-C(G11)
- Liebherr Machines SA
- MB 325.0
- MB 325.2