



**United Oil**  
PERFORMANCE • VALUE • RELIABILITY

## GLYCOL-G11 ANTIFREEZE COOLANT

### Product Description:

United Glycol-G11 is an antifreeze-concentrate based on Ethylenglycol with Organic Acid Technology (OAT) additives. The use of OAT coolants can extend the life of rubber coolant hoses, as they conduct less electrochemical degradation than conventional antifreeze. For normal usage, the concentrate has to be mixed with clear water. United Glycol-G11 prevents freeze and corrosion damages in coolant circulation of combustion engines as well as cavitation in pump segments. It is also usable in aluminium engines.

United Glycol-G11 will be applied in coolant circulation of combustion engines as well as in solar and warm water constructions if the used materials are resistant against products based on ethylenglycol.

### Applications / Benefits:

- ☐ Mixable at any percentage with water
- ☐ Also with hard water condensation will not be built
- ☐ Prevents foam
- ☐ Good compatibility with gaskets and lacquer
- ☐ Applicable all the year
- ☐ Safe Antifreeze until an ambient temperature of – 38°C with a mixture of 50%
- ☐ All season corrosion protection with a mixture of minimum 35%
- ☐ Amine-, nitrite-, phosphate free

### Typical Characteristics:

Test Description	Method	
Appearance	DIN 51757	Blue
Density (20 °C) g/ml	DIN 51562	1.133
Viscosity (20 °C) mm <sup>2</sup> /s	ASTM D1120	26
Viscosity (100 °C) mm <sup>2</sup> /s	ASTM D1120	11.6
Boiling point °C	DIN 51583	>170
Solidifying Point °C	DIN 53491	-45
Refractive Index at 20 °C	DIN 53785	1.436
PH Value	ASTM 1211	8.2
Reserve Alkalinity ml	DIN 51777	16.5
Water	DIN 51575	<3g/100g
Ash	ASTM D 5293	<2g/100g

### Specifications, Approvals & Recommendations:

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