

# CYCLONFLU LL (G13)



## DESCRIPTION

CYCLONFLU LL (G13) is a ready-to-use, ultra-high performance, extended life antifreeze fluid based on monoethylene glycol (MEG) hybrid technology of organic and inorganic (silicates) inhibitors. It provides long-lasting engine protection against freezing, boiling and corrosion, protecting all metals (including aluminum and ferrous alloys) thanks to its high-performance additives. Completely free of nitriles, amines, borates and phosphate salts, it is an environmentally friendly product, fully compatible with the materials found in engine seals and flanges, but also with almost all VW G12++, G12+, G12 and G11 level MEG antifreeze base fluids.

## APPLICATIONS

CYCLONFLU LL (G13) meets the requirements of the VW Group TL 774J (G13) specification where required by the manufacturer. It is compatible with G12++ (VW TL 774 G) coolants.

**Not to be used in drinking water systems.**

## SPECIFICATIONS

ASTM D3306  
VW Group TL-774J (G13)  
MB 000 989 28 25 11  
Compatible: G12++, G12+, G12, G11

**BS 6580**  
P/N: VW G 013 A8J 1G, G 013 A8J M1  
Porsche 000 043 301 47

## PROPERTIES

CYCLONFLU LL (G13) delivers durable antifreeze performance and long-lasting protection against high-temperature corrosion, particularly in modern aluminum engines, supporting extended engine life and reduced maintenance. Its formulation preserves cooling-circuit cleanliness and ensures high heat-transfer efficiency, while safeguarding components from electrolysis and pump cavitation. Fully compatible with MEG-based G12++, G12+, G12, and G11 coolants, it offers broad system integration. The absence of nitriles, amines, borates, and phosphates enhances environmental responsibility without compromising technical performance.

## PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLONFLU LL (G13)	METHOD	
Density at 20°C, g/cm <sup>3</sup>	ASTM D5931	1.082
Freezing point, °C	ASTM D1177	-40
Boiling point, °C	ASTM D1120	107
Color		Magenta

The abovementioned characteristics represent mean values.



### TECHNICAL PRODUCT SHEET

#### STORAGE

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All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



#### HEALTH & SAFETY

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This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



#### USED OILS

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Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

