

TECHNICAL PRODUCT SHEET

# CYCLONFLU LL (G12+)



## DESCRIPTION

CYCLONFLU LL (G12+) is a ready-to-use nitrite-, amine-, phosphate-, silicate- and borate-free organic acid technology (OAT) coolant based on mono-ethylene glycol. It provides long-life protection against frost, corrosion and overheating in all modern engines, especially in highly loaded aluminum ones throughout the year (summer and winter). It effectively protects against deposits the vital parts of cooling system, the block and cylinder head, the radiator and the water pump.

## APPLICATIONS

CYCLONFLU LL (G12+) is suitable for all cooling systems (aluminum ones, in particular) of vehicles and other closed cooling systems operating under extreme operating conditions. It has been shown that it protects commercial vehicles' radiators for at least 650,000 km (8,000 hours) and those for passenger cars for 250,000 km (2,000 hours). It is recommended to drain CYCLONFLU LL G12+ when reaching these mileage limits or every 5 years (whichever occurs first). It meets the requirements of major OEMs' and most international industry bodies.

## SPECIFICATIONS

AFNOR NF R15-601: 2020  
ASTM D3306  
ASTM D4985  
SAE J1034  
AS 2108  
FVV Heft R443  
JIS K2234

*Meets:*

VW Group TL-774D (G12)  
MB 325.3  
MAN 324 Type SNF  
GM 6277M  
Volvo 1286083  
Renault 41-01-001  
Scania TI 02-98 0813 T/B/M sv

BS 6580: 2010  
ASTM D4656  
NATO S-759  
ASTM D6210 Type III-FF  
CUNA NC 956-16  
UNE 26361-88

TL-774F (G12+)  
MB 326.3  
MTU MTL 5048  
Ford WSS-M97-B44D  
VCS (STD 418-0001)  
DAF 74002

## PROPERTIES

CYCLONFLU (G12+) provides ready-to-use anti-frost protection down to -40°C while ensuring long-lasting resistance to rust, corrosion, and sludge formation within the cooling circuit. Its high heat-transfer efficiency supports stable cooling under elevated operating temperatures, and its formulation remains compatible with the primary elastomer materials used in modern cooling systems.



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## PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLONFLU (G12+)	METHOD	
Density at 20°C, g/cm <sup>3</sup>	ASTM D5931	1.068
Freezing point, °C	ASTM D1177	-40
Boiling point, °C	ASTM D1120	108
pH		8.7
Color		Magenta

The abovementioned characteristics represent mean values.

## STORAGE

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

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

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

