

## MAINTAIN FRICOFIN

**Premium Performance Coolant Concentrate based on monoethylene glycol. Free of nitrites, amines and phosphates with hybrid technology.**

### Description

MAINTAIN FRICOFIN is an antifreeze coolant concentrate based on monoethylene glycol and is used for engines in Heavy Duty vehicles, passenger cars and stationary machines. As hybrid coolant concentrate it provides a fast reacting inhibitor system made of silicates, borates and organic acids. MAINTAIN FRICOFIN is free from nitrites, amines and phosphates.

### Application

MAINTAIN FRICOFIN is a coolant concentrate and must be diluted with water before it is filled into the coolant system. The concentration range should be between 33% to 60% by volume, typically at 50%. The properties of the water should not exceed the following limits:

Water hardness:	0 - 20 °dH (0-3,6 mmol/l)
Chloride content:	max. 100 ppm
Sulphate content:	max. 100 ppm

By adding distilled or deionized water these values can easily be adjusted where necessary.

MAINTAIN FRICOFIN is miscible with coolants that are approved to VW TL 774-C (G11), TL 774-F (G12+), 774-G (G12++) and 774-J (G13), while for full performance a complete change is recommended.

### Attention:

This product is recommended for use at combustion engines only. Manufacturers' drain intervals and recommendations about the application concentration are mandatory.

### Advantages/Benefits

- Fast reacting protection against deposits, cavitation and corrosion in engines and coolers.
- Protection against freezing and overheating.
- Miscible with MAINTAIN FRICOFIN LL, MAINTAIN FRICOFIN DP and MAINTAIN FRICOFIN V.
- Preserves sealings, plastics and pipes.
- Contains bittering agent to prevent swallowing.

### Specifications

- AFNOR NF R 15-601 TYPE 1
- AS/NZS 2108:2004 TYPE A
- ASTM D 3306 TYPE I
- ASTM D 4985
- BS 6580:2010
- CUNA NC 956-16
- SAE J814
- SAE J1034

### Approvals

- BMW LC-87
- CAT / MWM TR 0199-99-2091
- DEUTZ DQC CA-14
- INNIO JENBACHER TA 1000-0201
- MAN 324 TYPE NF
- MAN 324 TYPE NF PRITARDER
- MB-APPROVAL 325.0
- MTU MTL 5048
- PN-C 40007:2000
- VOITH TURBO 172.00225010

FUCHS Recommendations see next page

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## FUCHS Recommendations

- BMW GS 94000
- DAF 74001
- LIEBHERR TLV 035/TLV 23009 A
- OPEL/GM B 040 0240
- VW TL 774-C (G11)

## TYPICAL CHARACTERISTICS

Density at 20 °C	DIN 51757	1.121 g/ml
Boiling point	ASTM D 1120	>165 °C
pH-value	DIN 51 369	7.2
Product dyeing	DIN 10964	blue-green

## Mixing Ratio

### MAINTAIN FRICOFIN: H<sub>2</sub>O

1:1 (50%)	-37°C / -34.6°F
2:3 (40%)	-25°C / -13.0°F
1:2 (33%)	-17°C / 1.4°F



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