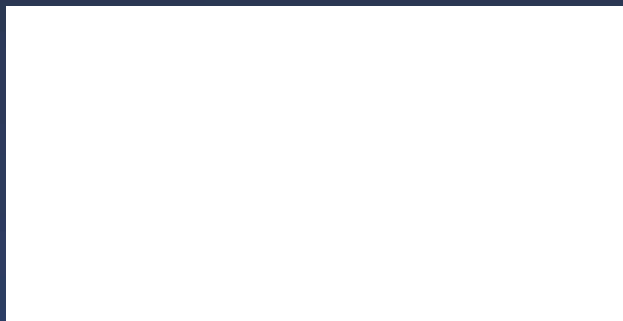


**MAINTAIN**

## Maintenance and protection



Please contact:



## Antifreeze, brake fluids and service products

### **FUCHS EUROPE SCHMIERSTOFFE GMBH**

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bp 10/2009

**PARTNER**  
DES DEUTSCHEN KRAFTFAHRZEUGGEWERBES



**MAINTAIN**

**Round-the-clock reliability –  
Regardless of temperature.**

The FUCHS MAINTAIN series of workshop and service products offers you a full line of coolant additives, brake fluids, screen cleaners and fuel additives.

These give vehicles all-round protection at all times – especially in winter.

Our MAINTAIN products are individually suited to almost every vehicle and together with the very latest technology, provide the best-possible protection.

**PARTNER**  
DES DEUTSCHEN KRAFTFAHRZEUGGEWERBES



## **Antifreeze. For reliable, all-year protection.**

The demands made on antifreeze are extremely high because, on average, about 150 litres of coolant are pumped around an average car engine per minute. One third of the combustion temperature is dissipated to the atmosphere by the coolant. The coolant also passes about 100 different materials and must be compatible with all of them.

Only premium products such as the MAINTAIN FRICOFIN series offer tested reliability and fulfil all functions and requirements made of today's antifreezes:

- Frost protection, i.e. the reliable protection against the coolant freezing, even at extremely low temperatures.
- Protection against the formation of deposits which keeps the coolant circuit fully functional over the long term.
- Protection against overheating, which if deposits are present, can interfere with heat dissipation.
- Protection against ageing and oxidation so that the coolant offers full protection over the entire duration of the service interval.

And especially important:

- Corrosion protection, to reliably avoid any damage to all metallic coolant circuit materials such as cast iron, cast aluminium, steel and brass. Without a coolant additive, the water and high temperatures in the coolant circuit are the ideal conditions for corrosion. This can eat into metallic parts and cause the coolant pump or the whole coolant circuit to fail. This could lead to a serious engine failure. MAINTAIN FRICOFIN antifreeze reliably combats corrosion. The key components are the corrosion inhibitors. These are deposited on all metal surfaces in the cooling circuit and form a gossamer-thin but extremely robust and effective protective film.



**MAINTAIN FRICOFIN DP**
**MAINTAIN FRICOFIN G 12 PLUS**


Coolant additive based on monoethylene glycol.  
Free of nitrites, amines and phosphates.

Coolant additive based on monoethylene glycol.  
Free of nitrites, amines, phosphates and silicates.

**Specifications/Approvals:\***
**FUCHS Recommendations:**

SCANIA TB 1451  
VW TL 774-G

**Specifications/Approvals:\***
**FUCHS Recommendations:**

ASTM D 3306-05  
ASTM D 4985  
AFNOR NF R 15-601  
BS 6580:1992  
MAN 324 SNF  
MB-APPROVAL 325.3  
MTU MTL 5048

CITROËN  
GM 6277M  
PORSCHE  
RENAULT  
SCANIA TI 02-98 0813 T/B/M sv  
VW TL 774 D/F (G 12 PLUS)



## MAINTAIN FRICOFIN

## MAINTAIN FRICOFIN S



Coolant additive based on monoethylene glycol.  
Free of nitrites, amines and phosphates.

Coolant additive based on monoethylene glycol.  
Free of nitrites, amines and phosphates.

### **Specifications/Approvals:\***

ASTM D 3306/4985  
AFNOR NF R 15-601  
BS 6580:1982  
DEUTZ  
JENBACHER TA 1000-0201  
MAN 324 NF  
MB-APPROVAL 325.0  
MTU MTL 5048

### **FUCHS Recommendations:**

BMW N 600 69.0  
LIEBHERR TLV 035/  
TLV 23009 A  
OPEL/GM B 040 0240  
VW TL 774-C (G 11)

### **Specifications/Approvals:\***

ASTM D 3306-05  
Ö-Norm V 5123  
AFNOR NF R 15-601  
BS 6580:1992

### **FUCHS Recommendations:**

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## Protect your engine with the correct antifreeze

Brand	Model	Year		Antifreeze
		from	to	Recommended
Alfa Romeo	All models	1976	2005	MAINTAIN FRICOFIN
	All models	2005	today	MAINTAIN FRICOFIN G12+
Audi	All models	1981	1996	MAINTAIN FRICOFIN
	All models	1996	2008	MAINTAIN FRICOFIN G12+
	All models	2008	today	MAINTAIN FRICOFIN DP
Bentley	All models	1980	2005	MAINTAIN FRICOFIN
	All models	2005	2008	MAINTAIN FRICOFIN G12+
	All models	2008	today	MAINTAIN FRICOFIN DP
BMW	All models	1975	today	MAINTAIN FRICOFIN
	Mini with gas engine	2001	today	MAINTAIN FRICOFIN
	Mini Diesel	2005	today	MAINTAIN FRICOFIN G12+
Chrysler	All models	1985	today	MAINTAIN FRICOFIN
Citroën	All models	1993	today	MAINTAIN FRICOFIN G12+
Daihatsu	All models	1979	today	MAINTAIN FRICOFIN G12+
Ferrari	All models	1979	today	MAINTAIN FRICOFIN
Fiat	All models	1982	today	MAINTAIN FRICOFIN
	All models	2005	today	MAINTAIN FRICOFIN G12+
Ford	Cougar, Fiesta Duratec und Zetec	1998		MAINTAIN FRICOFIN G12+
	KA, Focus, Fusion, Galaxy, Mondeo, Puma	1988	today	MAINTAIN FRICOFIN G12+
	Mondeo, Probe, Scorpio	1993	1998	MAINTAIN FRICOFIN
	Maverick	2001	today	MAINTAIN FRICOFIN
	Capri, Fiesta (not Duratec / Zetec)	1977	1995	MAINTAIN FRICOFIN
	Escort, Granada, Orion, Sierra	1977	1984	MAINTAIN FRICOFIN
	Maverick	1993	1998	MAINTAIN FRICOFIN
Honda	All models	1983	today	MAINTAIN FRICOFIN G12+
Hyundai	All models	1982	today	MAINTAIN FRICOFIN G12+
Jaguar	XJ40, XJ300, XJS	1986	1997	MAINTAIN FRICOFIN
	XJ308, XJ350, S-Type, X-Type, XK	1997	today	MAINTAIN FRICOFIN G12+
KIA	All models	1991	today	MAINTAIN FRICOFIN G12+
Lada	All models			MAINTAIN FRICOFIN
Lancia	All models	1976	today	MAINTAIN FRICOFIN
Land Rover	Freelander, Discovery, Defender	1998	today	MAINTAIN FRICOFIN G12+
	Range Rover V8 and Diesel	1998	2005	MAINTAIN FRICOFIN
Lexus	All models	1994	today	MAINTAIN FRICOFIN G12+
Lotus	All models	1980	today	MAINTAIN FRICOFIN/MAINTAIN FRICOFIN G12+

**Protect your engine with  
the correct antifreeze**

Brand	Model	Year		Antifreeze
		from	to	Recommended
Mazda	All models	1977	today	MAINTAIN FRICOFIN G12+
Mercedes	All models	1976	today	MAINTAIN FRICOFIN
MG Rover	All models	1982	today	MAINTAIN FRICOFIN G12+
Mitsubishi	All models except Carisma and New Colt	1982	today	MAINTAIN FRICOFIN G12+
	Carisma	1996	2004	MAINTAIN FRICOFIN/MAINTAIN FRICOFIN G12+
	New Colt	2004	today	MAINTAIN FRICOFIN/MAINTAIN FRICOFIN G12+
Morgan	All models			MAINTAIN FRICOFIN
Nissan	All models	1982	today	MAINTAIN FRICOFIN G12+
Opel	All models	1975	2000	MAINTAIN FRICOFIN
	All models	2001	today	MAINTAIN FRICOFIN G12+
Peugeot	All models	1993	today	MAINTAIN FRICOFIN G12+
Porsche	Carrera, Boxster, Cayman, Cayenne	1996	today	MAINTAIN FRICOFIN G12+
	924, 944, 968, 928	1978	1993	MAINTAIN FRICOFIN
Renault	All models	1985	today	MAINTAIN FRICOFIN G12+
Rolls-Royce	All models			MAINTAIN FRICOFIN
Saab	All models	1975	today	MAINTAIN FRICOFIN
Seat	All models	1985	1996	MAINTAIN FRICOFIN
	All models	1997	2008	MAINTAIN FRICOFIN G12+
	All models	2008	today	MAINTAIN FRICOFIN DP
Skoda	All models	1989	1998	MAINTAIN FRICOFIN
	All models	1999	2008	MAINTAIN FRICOFIN G12+
	All models	2008	today	MAINTAIN FRICOFIN DP
Smart	All models	1998	today	MAINTAIN FRICOFIN
Subaru	All models	1977	today	MAINTAIN FRICOFIN G12+
Suzuki	All models	1981	today	MAINTAIN FRICOFIN G12+
Toyota	All models	1978	today	MAINTAIN FRICOFIN G12+
Volkswagen	All models	1975	1996	MAINTAIN FRICOFIN
	All models	1997	2008	MAINTAIN FRICOFIN G12+
	All models	2008	today	MAINTAIN FRICOFIN DP
Volvo	All models	1982	today	MAINTAIN FRICOFIN

**Brake fluids.  
100 % performance  
in every situation.**

Brake fluids are special hydraulic fluids which transfer brake pedal force to the brake cylinders in every wheel.

The demands made on these important fluids are high:

- A high boiling point guarantees safety even in extreme conditions such as the high temperatures encountered when, for example, driving down mountains. The boiling point describes the characteristics of sealed, fresh fluid. Brake fluids have a boiling point of 230 °C (DOT 4) or 260 °C (DOT 5.1).
- Lowest possible drop in boiling point when moisture is absorbed (high wet boiling point). The wet boiling point describes this characteristic at the end of the fluid's life. According to DOT, the wet boiling point thresholds are: DOT 4: 170 °C and DOT 5.1: 180 °C.
- Optimum braking system corrosion protection.
- Complete compatibility with all braking system materials such as plastics, rubber and metals.

The FUCHS MAINTAIN DOT 4 and DOT 5.1 brake fluids are high-performance products which fulfil or surpass all demands.

Brake fluid should be checked or replaced every two years.

Because safety comes first.



**MAINTAIN DOT 5.1**

**MAINTAIN DOT 4**



High-performance brake fluid for hydraulic brakes and clutches in cars, trucks and motorcycles.

High-performance brake fluid for hydraulic brakes and clutches in cars, trucks and motorcycles.

**Specifications/Approvals:\***

FMVSS NR. 116 DOT 5.1  
ISO 4925 CLASS 3/4/5.1  
SAE J 1703/J 1704

**FUCHS Recommendations:**

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**Specifications/Approvals:\***

FMVSS NR. 116  
DOT 3/DOT 4  
ISO 4925 CLASS 3/4  
SAE J 1703/J 1704

**FUCHS Recommendations:**

FORD M6C62-A  
FORD M6C9103-A  
NH 800 A  
OPEL 19 42 421



\* Our specifications and approvals are often upgraded between the reprinting of brochures (Issue: 07/2009). Please consult the corresponding Product Information for the most up-to-date information. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the products. Subject to amendment. Date: 10/2009

**Screen cleaner.  
For a clearer view.**

A clear view is vital for safe participation in modern traffic. Even a light layer of grime on the windscreen can distort vision. And particularly at night, in difficult weather conditions or blinding light such as when the winter sun is low, clean and smear-free windscreens mean greater safety. With MAINTAIN CLEAN-SCREEN, the typical vision problems encountered with dirty screens are eliminated.

**MAINTAIN CLEAN-SCREEN**



All-year cleaning and freezing-protection additive for windscreen washer systems. Also suitable for fan nozzles and polycarbonate screens.



***Fuel additive.  
Keeps every diesel running  
through winter.***

To guard against start-up and operating problems due to diesel fuel plugging, action should be taken in good time.

Application benefits:

- Burns without residue.
- Ignitability is not compromised.
- The Hazard Category of the fuel remains unchanged.
- No drop in viscosity. This guards against unacceptable fuel pump wear.
- Is fully miscible and compatible with all diesel fuel grades and EL heating oil (with the exception of Bio-diesel).

**MAINTAIN WINTERFIT**



Diesel fuel and heating oil additive to protect against cold plugging.



***Oil binder. Offers reliable protection against environmental pollution.***

MAINTAIN ABSORPEX is a mineral-based oil granulate binder with excellent absorption characteristics to clean-up spillages of oil and other chemicals, both indoors and outdoors such as oil spillages on roads or leakages on factory floors. It offers good grip even when fully saturated and the small grain size penetrates the narrowest gaps.

MAINTAIN ABSORPEX is free of asbestos and asbestos-like fibres.

**MAINTAIN ABSORPEX Oil Binder**

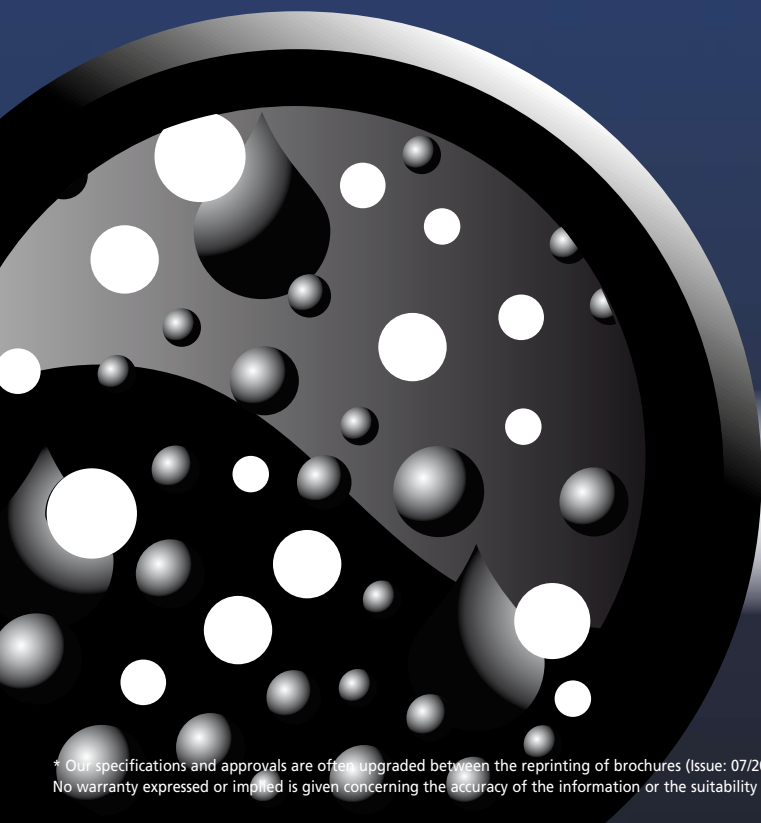


Oil binder, Type III R, chemical binder

**Specifications/Approvals:\***  
Hygiene Institut Gelsenkirchen  
MPL

**FUCHS Recommendations:**

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