

# Product information

## Radiator Antifreeze KFS 12+

PI 54/08/04/2019



### Description

Combination of active agents based on ethylene glycol. With an ingenious OAT inhibitor package specially developed for modern aluminum high-performance engines. Provides outstanding protection against frost, corrosion and overheating and does not contain amines, nitrites, phosphates, borates or silicates. Adding the correct amount to the water provides reliable vehicle performance all year round.

### Properties

- prevents the cooling system from freezing up
- provides outstanding protection against overheating
- excellent corrosion protection
- outstanding for aluminum high-performance engines
- prevents operational malfunctions

**LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:**

ADE • Aston Martin • Audi TL-774 D = G12 • Audi TL-774 F = G12+ • Behr • Bergen Engines 2.13.01 • Case New Holland MAT 3624 • Caterpillar / MAK • Caterpillar GCM34 • Caterpillar MWM 0199-99-2091/12 • Chevrolet • Claas • Cummins CES 14439 • Cummins CES 14603 • Cummins IS series u N14 • DAF74002 • Detroit DFS93K217 • Deutz DQC CB-14 • Fendt • Fiat 9.55523 • Ford WSS-M97 B44-D • Foton Q-FPT 2313005-2013 • Great Wall • Hitachi • Irisbus Karosa • Isuzu • Jaguar CMR 8229 • Jaguar / Land Rover STJLR 651.5003 • Jenbacher TA 1000-2000 • John Deere JDM H5 • Kobelco • Komatsu 07.892 (2009) • Land Rover • Lancia 9.55523 • Leyland Trucks DW03245403 • Liebherr MD1-36-130 • Mack 014 GS 17009 • MAN 324 Typ SNF • MAN B&G A/S • MAN B&W AG D36 5600 • MAN Diesel & Turbo SE • Mazda MEZ MN 121 D • MB 325.3 • MB 326.3 • Mitsubishi Heavy Industry (MHI) • MTU MTL 5048 • Opel/GM GMW 3420 • Proton • Renault-Nissan Renault RNUR 41-01-001/--S Type D • Renault Trucks 41-01-001/--S Type D • Saab B040 1065 • Santana Motors • Saturn • Seat TL-774 D = G12 • Seat TL-774 F = G12+ • Skoda TL-774 D = G12 • Skoda TL-774 F = G12+ • Skoda 61-0-0257 • Suzuki • Tedom • Thermo King • Valtra • Van Hool • Vauxhall GMW 3420 • Volkswagen Semt Pielstick • Volkswagen TL-774 D = G12 • Volkswagen TL-774 F = G12+ • Volvo Construction • Volvo Penta • Volvo Trucks • Wärtsilä 32-9011 • Wärtsilä SAMC Diesel DLP799861 • Waukesha • Yanmar

### Technical data

Water content max. 5 %

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89081 Ulm-Lehr

Postfach 2829  
89018 Ulm  
Germany

### Technical data

Base	Ethylenglykol mit Inhibitoren / Ethylene glycol with inhibitors
Color / appearance	rot / red
Boiling point	180 °C
pH value	8,6
Flash point	115 °C
	Pensky-Martens, closed cup
Density at 20 °C	1,113 g/cm <sup>3</sup>
Form	flüssig / liquid
Odor	mild / mild
Shelf life in original sealed container	60 months
Recommended storage temperature	-20 bis kurzfristig +35 / -20 short-term to +35 °C

### Areas of application

For engines made of cast iron, aluminum or a combination of the two as well as cooling systems with aluminum and/or copper alloys. Particularly suitable for engines of the latest generation. For passenger cars, commercial vehicles, buses, agricultural machines as well as stationary engines and devices that require a radiator antifreeze of this quality.

### Application

Clean the cooling system with LIQUI MOLY Radiator Cleaner (Part no. 3320). Empty the cooling system and rinse with plenty of water. Fill with radiator anti-freeze KFS 12+ and water according to the mixing table. We recommend distilled water for this. Depending on water hardness and quality (hardness not greater than 3.566 mmol/l), dilution with tap water is also possible. Disposal according to the local regulations. Change interval according to manufacturer's instructions. Store undiluted only. Miscible with coolants based on ethylene glycol.

### MIXING TABLE

Frost protection Water Protection up to

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Technical hotline: +49 (0)731/1420-871  
www.liqui-moly.de



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## Radiator Antifreeze KFS 12+

1 part	2 parts	-20 °C
1 part	1 part	-40 °C
2 parts	1 part	-68 °C

### Available pack sizes

1 l Canister plastic	21145 D-GB-I-E-P
1 l Bottle plastic	6934 D-GB-I-E-P
1 l Bottle plastic	1381 GB-ARAB-F
5 l Canister plastic	21146 D-GB-I-E-P
5 l Canister plastic	6935 D-GB-E-RUS-KZ
20 l Canister plastic	21138 D-GB
60 l Drum sheet metal	21147 D-GB
200 l Drum sheet metal	21148 D-GB

**Our information is based on thorough research and may be considered reliable, although not legally binding.**