

# Product information

## Radiator Antifreeze KFS 12++

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### Description

Combination of active agents which is formulated using an ingenious selection of inhibitors based on hybrid technology. Offers outstanding protection against frost, corrosion and overheating across its entire engine service life. Amine-, borate-, nitrite- and phosphate-free radiator antifreeze based on ethylene glycol.

### Properties

- outstanding corrosion protection
- contains no amines, borates, nitrites or phosphates
- protects against overheating

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

Audi TL-774 G = G12++ • MAN 324 Typ Si-OAT • MB 325.5 • Seat TL-774 G = G12++ • Skoda TL-774 G = G12++ • Volkswagen TL-774 G = G12++

### Technical data

Density at 20 °C	1,114 g/cm <sup>3</sup>
Water content	3 % w/w max
pH value	8,6
Base	Ethylenglykol mit Inhibitoren / ethylene glycol with inhibitors
Color / appearance	hellrot, klar / bright red, clear
Flash point	122 °C
Boiling point	>170 °C
Odor	schwach / weak
Shelf life in original sealed container	36 months
Recommended storage temperature	-20 bis +35 / -20 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. Especially for all-alloy engines in which a special aluminum protection is required at higher temperatures. 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 antifreeze 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
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	21134
	D-GB-I-E-P
5 l Canister plastic	21135
	D-GB-I-E-P
20 l Canister plastic	21136
	D-GB
60 l Drum sheet metal	21137
	D-GB
200 l Drum sheet metal	21304
	D-GB

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