

3.0 Approved antifreeze and anti-corrosion additives (except MINI R56 diesel)

Important:

For the MINI W16 diesel engine, it is essential for a special antifreeze and anti-corrosion additive to be used.

Approved antifreeze and anti-corrosion additive for W16 engine please refer to Enclosure 3.2.

Approved antifreeze and anti-corrosion additive for W11, W12, W17, N12, N14 engine please refer to Enclosure 3.1.

With the protection of the environment in mind, BMW has been filling all of its vehicles with nitrite- and amino-free anti-freezing and anti-corrosive agents since mid-1986 as standard practice.

The use of anti-freezing and anti-corrosive agents that contain nitrites and amines is no longer permissible.

<u>Trade name</u>	<u>BMW part number</u>	<u>Container size</u>
BMW Antifreeze	81 22 9 407 454	1.5-litre can
BMW Antifreeze	81 22 9 407 455	60-litre barrel
BMW Antifreeze	81 22 9 407 456	205-litre barrel
BMW Antifreeze	81 22 9 407 755	Tanker (truck)

<u>Trade name</u>	<u>Manufacturer/Supplier</u>
Addinol Antifreeze Super	Addinol Lube Oil GmbH
Alpine Antifreeze Extra	Mitan Mineralöl GmbH
Aral Antifreeze Extra	Aral AG
AVIA Antifreeze APN	AVIA Mineralöl AG
BMW Antifreeze	BMW AG
Caltex CX Engine Coolant	Caltex
Castrol ANTI-FREEZE NF	Castrol International
EVOX Extra G48 Antifreeze concentrate	MOL-LUB Ltd.
Fridex G48	Velvena s.a.
Glacelf Plus	Total
GlycoShell	Shell International
Glysantin G48-24 Engine Coolant	UNICO Ltd.
Glysantin Protect Plus / G48	BASF
Havoline AFC (BD04)	ChevronTexaco/Arteco
OMV Kühlerfrostschutz	OMV AG

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