

PRODUCT INFORMATION



Automotive Chemicals – Coolant Antifreeze

Version: **2020/43#1a**

Valvoline™ OEM Advanced 48 Antifreeze Coolant

OEM Approved Premium Grade Hybrid Technology Antifreeze Coolant for passenger car, truck, bus and off-road applications

Valvoline OEM Advanced 48 Antifreeze Coolant is a premium coolant suitable for passenger cars, light trucks and heavy-duty applications. The formulation is ethylene glycol-based and it is designed for all types of engines. It is a low-silicate, low pH, phosphate free technology that protects all cooling system metals, including aluminum, from corrosion.

When diluted 50% with demineralized water, Valvoline OEM Advanced 48 protects modern engine components from winter freezing and summer boiling. The chart below provides detailed mixing information.

OEM Approvals
BMW LC-87
Deutz DQC CA-14
MAN 324 Type NF
MB-Approval 325.0
MB-Approval 326.0
MTU MTL 5048
Performance levels
Detroit Diesel 7SE298
TL 774-C: VW / Audi / Seat / Skoda
Federal Specification A-A-870A
Jaguar
Jenbacher TA-Nr. 1000-0201
Liebherr Minimum LH-00-COL3A
MAN Diesel & Turbo Liste 3.3.7
Maybach/Smart MB 325.0/326.0 (until 2014)

Performance levels
MB Passenger cars (until April 2014)
MB Trucks (until September 2011)
Opel/Vauxhall (until 2000) B 040 0240
Porsche (until 1995)
Rolls-Royce (from 1998)
Saab 690 1599
Tesla (from 2013)
TMC of ATA RP-302B
Van Hool
Volvo 2015 (cars) and older
Volvo Truck (until 2005)
Zastava
ASTM D3306 / D4985
GM1899M / 1825M
SAE J814 / J1034 / J1941

Features and Benefits

Premium Formula for Superior Performance

Valvoline OEM Advanced 48 is a premium grade hybrid technology coolant that provides outstanding protection to vital engine parts such as coolant channels in engine block, cylinder heads (liner pitting), radiator and water pump against corrosion, overheating and freezing. It contains a high quality defoamer and will not harm gaskets, hoses, plastics or original vehicle paint.

Long-Life Protection:

- up to 5 years / 250.000 km for passenger cars
- up to 3 years / 500.000 km for heavy duty applications

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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineeurope.com or <https://pisheets.valvoline.com/>

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Valvoline OEM Advanced 48 Properties	
Appearance	Liquid
Colour	Blue
Boiling point*, °C ASTM D 1120	107
Boiling point**, °C ASTM D 1120	162
Flash point**, °C DIN ISO 2592	121
Density** @ 15.6°C, g/cm ³ ASTM D1122	1,110 – 1,145
pH value* ASTM D 1287	8,0 – 9,0
pH value** ASTM D 1287	7,1 – 7,3
Storage stability	Up to 3 years

* 50% V/V Ready to use

** Concentrate

This information only applies to products manufactured in the following location(s): Europe

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet.

<http://sds.valvoline.com>

Protect the environment

Take used coolant to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend storing all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Freezing Temperature

Valvoline OEM Advanced 48 Mixing Table	
Concentrate mixed with demineralized water	Freezing Point °C
40% concentrate	-24
50% concentrate	-36
60% concentrate	-48
70% concentrate*	-67

*Maximum freeze protection is at 70%

Material numbers

Packaging	Concentrate	Ready to use
12/1L	892095	892100
4/5L	892096	892122
20L PL	892097	892123
208L DR	892094	892099
1000L IBC	892067	892098
Bulk	892080	892081

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