

# PRODUCT INFORMATION



## Automotive Chemicals – Coolant Antifreeze

Version: 2020/42#1b

### Valvoline™ OEM Advanced 40 Antifreeze Coolant

OEM Approved Premium Grade Si-OAT Antifreeze Coolant for passenger car, truck, bus and off-road applications.

Valvoline OEM Advanced 40 Antifreeze Coolant is a premium grade hybrid carboxylate formulation which provides an extended service life. It incorporates state-of-the-art organic acid technology in an ethylene glycol base for protection of all cooling system metals, including aluminum, from corrosion. Valvoline OEM Advanced 40 contains no phosphates, imidazole, borates, nitrates, amines or nitrites.

When diluted 50% with demineralized water, Valvoline OEM Advanced 40 protects modern engine components from winter freezing and summer boiling. The chart below provides detailed mixing information.

OEM Approvals
Cummins CES 14603
Deutz DQC CC-14
MAN 324 Type Si-OAT
MB-Approval 325.5 / 325.6
MB-Approval 326.5 / 326.6
MTU MTL 5048
Performance levels
Cummins CES 14439
DCC
Detroit Diesel DSF93K217ELC
Irizar (from 2016)
Liebherr Minimum LH-01-COL3A

Performance levels
MB Trucks (from October 2011)
Porsche From MY 2010
Smart MB 325.6
TL 774-G (G12++): VW / Audi / Seat / Skoda / Lamborghini / Bentley / Bugatti
SCANIA
ASTM D3306 / D4985 / D6210
Federal Specification A-A-870A
Navistar MPAPS B1 IIIA
SAE J814
VW TL 774-J

## Features and Benefits

### Premium Formula for Superior Performance

Valvoline OEM Advanced 40 is a premium grade 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](http://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 40 Properties	
Appearance	Liquid
Colour	Pink/ Violet
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 <sup>3</sup> ASTM D1122	1,122 – 1,135
pH value* ASTM D 1287	8 – 9
Storage stability	Up to 5 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 40 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	891920	892064
4/5L	892091	892065
20L PL	892092	892066
208L DR	891919	892111
1000L IBC	892062	892101
Bulk	892078	892079

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