

# PRODUCT INFORMATION



## Automotive Chemicals – Coolant Antifreeze

Version: 2020/42#1c

## Valvoline™ OEM Advanced 40 Antifreeze Coolant

**OEM Approved Premium Specification Si-Organic Acid (Si-OAT) Technology Antifreeze Coolant for car and Heavy-Duty 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.

**Valvoline OEM Advanced 40 Antifreeze Coolant RTU** version is 50% diluted with -36°C freezing point.

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.

Approvals & Specifications	Approvals & Specifications
ASTM D3306 / D4985 / D6210	MB-Approval 326.6
Cummins CES 14603, CES 14439 Approved	MTU MTL 5048 Approved
DCC Detroit Diesel DSF93K217ELC Approved	MB Trucks (from October 2011)
Deutz DQC CC-14 Approved	Navistar MPAPS B1 IIIA
DTFR 29D120 (MB-326.5)	Porsche From MY 2010
Federal Specification A-A-870°	SAE J814
Irizar (from 2016)	SCANIA TB1451-7 Approved
Liebherr Approval Minimum LH-01-COL3A	Smart MB 325.6
MAN 324 Type Si-OAT Approved	TL 774-G (G12++) Approved - VW / Audi / Seat / Skoda / Lamborghini / Bentley / Bugatti

## 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 <https://www.valvolineglobal.com/en-eur/> or <http://pisheets.valvolineglobal.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 D-1122	1,122 – 1,135
pH value* ASTM D-1287	8,0 – 9,0
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.valvolineglobal.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%

Replaces – 2020/42#1b

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