

# 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

# PRODUCT INFORMATION



## 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                        |               |
|-------------------------------------------------------------|---------------|
| <b>Appearance</b>                                           | Liquid        |
| <b>Colour</b>                                               | Pink/ Violet  |
| <b>Boiling point*</b> , °C<br>ASTM D 1120                   | 107           |
| <b>Boiling point**</b> , °C<br>ASTM D 1120                  | 162           |
| <b>Flash point**</b> °C,<br>DIN ISO 2592                    | 121           |
| <b>Density**</b> @ 15.6 °C, g/cm <sup>3</sup><br>ASTM D1122 | 1,122 – 1,135 |
| <b>pH value*</b><br>ASTM D 1287                             | 8 – 9         |
| <b>Storage stability</b>                                    | 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       |

™ Trademark of Valvoline, registered in various countries © 2021

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ellis Enterprises B.V. and its affiliates assume legal responsibility.

TRUSTED FOR 150 YEARS™

VALVOLINE EUROPE  
WIELDRECHTSEWEG 39  
3316 BG DORDRECHT  
NETHERLANDS