

# PRODUCT INFORMATION



Automotive Chemicals – Coolant Antifreeze

Version: 2011/20#3

## Valvoline™ ZEREX™ DEX-COOL® Concentrate

*OAT Coolant for Passenger cars and Light trucks.*

Valvoline ZEREX DEX-COOL® antifreeze coolant is a patented\* carboxylate formulation with a service life of up to 5 years or 250.000 km. It incorporates state-of-art organic acid technology in an ethylene glycol base for protection of all cooling system metals including aluminum. ZEREX DEX-COOL® antifreeze coolant is approved by General Motors to the GM 6277M specification. It can be mixed with any DEX-COOL® product. Keep the cooling system full and check concentration or freeze point regularly.

### Approvals

<b>Valvoline ZEREX DEX-COOL® Concentrate</b>
GM 6277M DEX-COOL® approved
Under this specification also approved for use in: Opel/Vauxhall, Saab, Daewoo

### Performance levels

<b>Valvoline ZEREX DEX-COOL® Concentrate</b>
SAE J1034
SAE J814
SAE J1941
TMC of ATA RP-302B
Federal Specification A-A-870A
Ford WSS-M97B44-D
Chrysler MS-12106

### Features and Benefits

#### Unique formula for superior protection

Superior protection by state-of-the art organic acid technology in an ethylene glycol base for protection of all cooling system metals including Aluminium.

#### Wide application range

Valvoline ZEREX DEX-COOL® protects modern engines from winter freezing and summer boiling. The table on page 2 provides detailed mixing information. It covers a wide application range including diesel engines, gasoline engines, stationary power, and light duty applications.

#### Extended Life Coolant

Valvoline ZEREX DEX-COOL® is a patented\* carboxylate formulation with a service life of up to 5 years / 250.000 km of service.

#### Coolant compatibility

Valvoline ZEREX DEX-COOL® Concentrate is compatible with major long life and conventional brands of ethylene glycol based coolant. However, long life characteristic may be diminished by mixing with light duty or conventional fully formulated coolants.

\*US Patents 6,235,217 and 6,126,852



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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.valvolineurope.com](http://www.valvolineurope.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 ZEREX DEX-COOL® Concentrate	
Concentrate to be mixed with water	
Appearance	Liquid
Colour	Orange
Boiling point °C.	162 min.*
Flash point °C. PMCC	121
Density g/cm <sup>3</sup> @ 20 °C DIN 51757	1,111 – 1,122
Hard water stability	Stable
Storage stability	Up to 5 years

\* Boiling Point shown using conventional 15 psi Radiator cap.

Valvoline ZEREX DEX-COOL® Concentrate		
Concentrate mixed with water	Freezing Point °C	Boiling Point °C
40% concentrate	-24	126
50% concentrate	-36	128
60% concentrate	-48	133
70% concentrate	-67	136

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## 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://msds.valvoline.com>

## Protect the environment

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

## Storage

We recommend to store 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.

Replaces – 2011/20#2

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

