

Quality Control

The above listed data represents average values at the time of going to press this Data Sheet. They are intended as a guide to facilitate handling and cannot be regarded as specific data. Specified product data is issued as a separate product specification.

Packaging

Mobil Coolant Ultra is available in 1L, 5L, 20L, 208L and 1000L

Storage Stability

Mobil Coolant Ultra has a shelf life of at least 3 years when stored in originally closed, air-tight containers at temperatures of maximum 30°C. Do not use galvanized containers for storage.

Colour

Mobil Coolant Ultra is Violet.

Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, this data does not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

Mobil™ Coolant Ultra

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Manufactured by Moove Europe.
Head Office 30 Tower View, Kings Hill, West Malling, Kent ME19 4UY +44 (0) 1474 564 311
Operations Plant Dering Way, Gravesend, Kent DA12 2QX +44 (0) 1474 564 311

www.mobil-ancillaries.com



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Mobil™ Coolant Ultra

Data Sheets



Mobil Coolant Ultra Ready Mixed -36°C

Mobil Coolant Ultra is an engine coolant based on ethylene glycol and water. Mobil Coolant Ultra contains a corrosion inhibitor package based on salts of organic additives and silicate (Si-OAT coolant). Mobil Coolant Ultra is free of nitrites, amines, phosphates and borates.

Properties

Mobil Coolant Ultra is ready for use. Further dilution with water is not recommended.

Mobil Coolant Ultra a 50:50 mixture of Glysantin® G40® and water. For the preparation of the mixture demineralized water with low conductivity is used, in order to maximize corrosion protection and to minimize hard water scale deposits in the cooling system. Mobil Coolant Ultra provides frost protection down to -36°C. It protects engines from corrosion, overheating and frost damage. It gives a high degree of corrosion protection to engine components such as radiators, cylinder blocks /heads, water pumps and heat exchangers, and avoids deposits.

Mobil Coolant Ultra fulfills the requirements of the following coolant standards:

AS 2108-2004, ASTM D3306, ASTM D4985, SAE J1034, ÖNORM V 5123, CUNA NC 956-16, JIS K 2234:2006, SANS 1251:2005, China GB 29743-2013 and BS 6580:2010.

Mobil Coolant Ultra contains Glysantin® G40® by BASF and is officially approved by:

- Audi/Bentley/Bugatti/Lamborghini/Seat/Skoda/VW vehicles built as of 2005 (TL774-G)
- Cummins (CES 14603)
- Deutz (DQC CC-14)
- MAN vehicles built from 12/2011 (MAN 324 Si-OAT)
- Mercedes Cars and Smart (MB-Approval 326.5)
- Mercedes Trucks (MB-Approval 326.6)
- Porsche (vehicles as from 2010) 911, Boxster, Cayman, Cayenne, Panamera



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Mobil™ Coolant Ultra

Miscibility

Since the special advantages of Mobil Coolant Ultra will only be achieved when it is used exclusively, mixing of Mobil Coolant Ultra with other engine coolants is not recommended.

Chemical nature

Ethylene glycol and water with corrosion inhibitors

Appearance

Clear liquid without solid contaminants

Physical data

Density at 20 °C	1.072 – 1.074 g/cm ³	DIN 51 757-3
pH value	7.8 – 8.6	ASTM D 1287
Reserve alkalinity	4.0 – 5.5 ml	ASTM D 1121
Water content	47.0 – 51.0 %	DIN 51 777-

Stability

Inhibitor stability after 168 h	no precipitation	VW TL 774-G
Hard water stability after 10 days	no precipitation	VW PV 1426

Frost Protection

Freezing point	below -36 °C	ASTM D 1177
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Foaming Characteristics

33 vol% solution	max. 50 ml / 3s	ASTM D 1881
33 vol% solution	max. 20 ml / 5s	VW TL 774-G

Mobil™ Coolant Ultra

Corrosion Test data

for Glysantin® G40®

Glassware Corrosion Test

ASTM D 1384		
Metal coupons	Typical weight loss mg / coupon	ASTM D 3306 limit mg / coupon
Copper	1	10 max
Solder	0	30 max
Brass	1	10 max
Steel	1	10 max
Cast Iron	4	10 max
Cast aluminum	-2 *)	30 max

Glassware Corrosion Test

VW TL 774-G		
Metal coupons	Typical weight loss g / m ²	VW TL 774-G limit g / m ²
Copper	0,1	3 max
Solder	0,1	3 max
Brass	-0,4 *)	3 max
Steel	-0,1 *)	3 max
Cast Iron	-0,1 *)	3 max
GAISI6Cu4	-0,5 *)	2 max
AlSi12	-0,9 *)	2 max
AlMn	-0,4 *)	2 max
GAISI10Mg	-0,7 *)	2 max

Heat Transfer Corrosion Test

ASTM D 4340		
Cast aluminum:	- 0.1 mg / cm ² / week	1.0 max

Cavitation Erosion Corrosion Test

ASTM D 2809		
Water pump rating	10	min. 8

*) negative values mean mass increase