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.

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Mobil Coolant Ultra contains Glyssantin® 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

Mobil Coolant Ultra is free of nitrates, 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 Glyssantin® 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:

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

Physical data
Density at 20 °C: 1.072 – 1.074 g/cm³ (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 51 777-7)

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)

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

Corrosion Test data
for Glycántin® G40°

Glassware Corrosion Test
ASTM D 1384
Metal coupons | Typical weight loss | ASTM D 3306 lmt
--- | --- | ---
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 | VW TL 774-G lmt
--- | --- | ---
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
GAlSi6Cu4 | -0.5 *) | 2 max
AlSi12 | -0.9 *) | 2 max
AlMn | -0.4 *) | 2 max
GAlSi10Mg | -0.7 *) | 2 max

Heat Transfer Corrosion Test
ASTM D 4340
Cast aluminum: -0.1 mg / cm² / week | 1.0 max

Cavitation Erosion Corrosion Test
ASTM D 2809
Water pump rating: 10 | min. 8

*) negative values mean mass increase