Mobil Coolant Extra

Data Sheets

Mobil Coolant Extra Ready Mixed -36°C

Mobil Coolant Extra is a ready-to-use engine coolant based on ethylene glycol. Mobil Coolant Extra contains a hybrid corrosion inhibitor package based on salts of organic additives and silicates (Hybrid Coolant).

Mobil Coolant Extra is free of nitrates, amines and phosphates.

Properties

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

Mobil Coolant Extra is a 50:50 mixture of Glysantin G48 and water. For the preparation of the mixture demineralized water with low electrical conductivity is used, in order to maximize corrosion protection and to minimize hard water scale deposits in the cooling system. Mobil Coolant Extra provides frost protection down to -36°C.

Mobil Coolant Extra was developed to protect engines against 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 Extra fulfills the requirements of the following coolant standards:


Mobil Coolant Extra contains Glysantin® G48® by BASF and is officially approved by:

- Audi/Seat/Skoda/VW vehicles built until 1996 (TL774-C)
- BMW (BMW GS94000) • Deutz (DQC CA-14) • Jenbacher (Ta-Nr .1000-0201)
- Liebherr (Min. LH-00_COL3A) • MAN until 11/2011(MAN 324 NF); MAN Diesel & Turbo (Liste 3.3.7)
- Maybach (MB-Approval 326.0) • Mercedes Benz vehicles built until 2013 (MB-Approval 326.0)
- MINI (BMW GS94000) • Rolls-Royce from 1998 (BMW GS94000)
- MTU (MTL 5048); MWM (0199-99-2091 DE)
- Opel/Vauxhall vehicles built up to 2005 (B 040 0240); Porsche vehicles built until 1995
- Same Deutz Fahr Group; Saab (690 1599)
- Smart vehicles built until 2013 (MB-Approval 326.0) • Tesla; VolvoTruck built until 2005; Van Hool; Zastava

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.

Colour

Mobil Coolant Extra is blue-green.

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.

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Manufactured by Moove Lubricants Ltd.
Operations Plant Dering Way, Gravesend, Kent DA12 2QK +44 (0) 1474 564 311

www.mobil-ancillaries.com

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Mobil Coolant Extra

Miscibility
Since the special advantages of Mobil Coolant Extra will only be achieved when it is used exclusively, mixing Mobil Coolant Extra with other Mobil coolants or products from other producers is not recommended.

Chemical nature
Ethylene glycol and water with corrosion inhibitors

Physical data
Density, 20 °C 1.072 – 1.074 g/cm³ DIN 51 757-3
Refractive index, 20 °C 1.385 – 1.387 DIN 51 423-2
Boiling point min. 105 °C ASTM D 1120
pH value 7.9 – 8.3 ASTM D 1287
Reserve alkalinity 6 – 8 ml ASTM D 1121
Ash content max. 1.0 % ASTM D 1119
Water content 47 – 51 % DIN 51 777-1
Kinematic viscosity at 0 °C ca. 8.8 mm²/s
at 20 °C ca. 4.1 mm²/s
at 80 °C ca. 1.0 mm²/s

Frost Protection
Freezing point below -36 °C ASTM D 1177

Foaming Characteristics
Foam volume / break time max. 50 ml / 3 s ASTM D 1881

Electrical Conductivity
at 23 °C approx. 4 mS/cm ASTM D 1125

Glassware Corrosion Test
Corrosion Test Data for Glysantin® G48®
ASTM D 1384
Metal coupons typical weight change mg/coupon ASTM D 3306 limit mg/coupon
Copper - 0.1 10 max
Solder - 0.3 30 max
Brass - 0.2 10 max
Steel 0.2 10 max
Cast iron 1.0 10 max
Cast aluminum 1.1 30 max

Heat Transfer Corrosion Test
ASTM D 4340
typical corrosion rate mg/cm²/week ASTM D 3306 limit mg/cm²/week
Cast aluminum -0.07 *) 1.0 max

Simulated Service Corrosion Test
ASTM D 2570
typical weight change mg/coupon ASTM D 3306 limit mg/coupon
Copper - 8.8 20 max
Solder 0.0 60 max
Brass - 10.7 20 max
Steel - 0.1 20 max
Cast iron 1.1 20 max
Cast aluminum 1.2 60 max

Cavitation Erosion Corrosion Test
ASTM D 2809
Aluminum water pump 9 8 min

*) negative values mean mass increase.

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