

Quality Control

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

Packaging

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

Storage Stability

Mobil Coolant Extra has a shelf life of at least three 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 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.

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 Extra

Terms & Conditions: © 2017. All rights reserved to Moove Europe. Mobil and Mobil products named in this material are registered brands and trademarks of Exxon Mobil Corporation or one of its subsidiaries, licensed for use to Moove Europe who are responsible for this document and the use of such trademarks within it. No part of this document or any trademark is permitted to be copied, reproduced or otherwise used or applied without prior consent.

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



Confidential

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 nitrites, 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:

AS 2108-2004, ASTM D 3306, ASTM D 4985, SAE J1034, AFNOR NF R 15-601, ÖNORM V 5123, CLINA NC 956-16, JIS K 2234:2006, SANS 1251:2005, China GB 29743-2013 and BS 6580:2010.

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 2000 (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



Confidential

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

Appearance

Clear liquid

Physical data

Density, 20 °C	1.072 – 1.074 g/cm ³	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		DIN 51 562
at 0 °C	ca. 8.8 mm ² /s	
at 20 °C	ca. 4.1 mm ² /s	
at 80 °C	ca. 1.0 mm ² /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
--------------------------	------------------	-------------

Mobil™ Coolant Extra

Electrical Conductivity

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

Glassware Corrosion Test

Corrosion Test Data for Glystantin® 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/cm ² /week	ASTM D 3306 limit mg/cm ² /week
Cast aluminum	-0.07 *)	1.0 max

Simulated Service Corrosion Test

ASTM D 2570

Metal coupons	typical weight change mg/coupon	ASTM D 3306 I 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.