



# G30® Ready Mix Data Sheet

D/EVO 3070 e June 2016

Supersedes edition of March 2016

Page 1 of 5

Glysantin® G30® Ready Mix is a ready-to-use engine coolant based on ethylene glycol and water.

Glysantin G30 Ready Mix contains a corrosion inhibitor package based on salts of organic acids (OAT Coolant). Glysantin G30 Ready Mix is free of nitrites, amines, phosphates, silicates and borates.

## Properties

**Glysantin G30 Ready Mix is ready for use. Further dilution with water is not recommended.**

Glysantin G30 Ready Mix is a 50:50 mixture of Glysantin G30 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.

Glysantin G30 Ready Mix provides frost protection down to -38 °C.

Glysantin G30 Ready Mix 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.

Glysantin G30 fulfills the requirements of the following coolant standards:

AS 2108-2004, ASTM D 3306, ASTM D 4985, BS 6580:2010, CUNA NC 956-1, AFNOR NFR 15-601, ÖNORM V 5123, 6, JIS K 2234:2006, SAE J1034, SANS 1251:2005 and China GB 29743-2013.

Glysantin G30 is officially approved by the following OEMs:

- |                            |                         |
|----------------------------|-------------------------|
| • Audi / Seat / Skoda / VW | TL 774-D/F              |
| • Bentley / Lamborghini    | TL 774-F                |
| • DAF                      | MAT 74002               |
| • Daimler / Mercedes-Benz  | MB-Approval 325.3       |
| • Deutz                    | DQC CB-14               |
| • Ferrari                  | from MY 2010            |
| • MAN                      | MAN 324 Type SNF        |
| • MINI Cooper D            | from MY 2007 to MY 2011 |
| • MTU                      | MTL 5048                |
| • Porsche                  | from MY 1996 to MY 2010 |



# G30<sup>®</sup> Ready Mix Data Sheet

D/EVO 3070 e June 2016

Supersedes edition of March 2016

Page 2 of 5

<b>Miscibility</b>	Since the special advantages of Glysantin G30 Ready Mix will only be achieved when Glysantin G30 Ready Mix is used exclusively, mixing Glysantin G30 Ready Mix with other Glysantin coolants or engine coolants from other producers is not recommended.		
<b>Chemical nature</b>	<b>Ethylene glycol and water with corrosion inhibitors</b>		
<b>Appearance</b>	Clear liquid		
<b>Physical data</b>	Density, 20 °C	1.072 – 1.075 g/cm <sup>3</sup>	DIN 51 757-3
	Refractive index, 20 °C	1.385 – 1.388	DIN 51 423-2
	Boiling point	min. 105 °C	ASTM D 1120
	pH value	7.8 – 8.5	ASTM D 1287
	Reserve alkalinity	4.0 – 5.5 ml	ASTM D 1121
	Ash content	max. 1.0 %	ASTM D 1119
	Water content	47.0 – 51.0 %	DIN 51 777-1
	Kinematic viscosity		DIN 51 562
	at 0 °C	ca. 8.8 mm <sup>2</sup> /s	
	at 20 °C	ca. 4.1 mm <sup>2</sup> /s	
	at 80 °C	ca. 1.0 mm <sup>2</sup> /s	
<b>Frost protection</b>	Freezing point	below -38 °C	ASTM D 1177
<b>Foaming characteristics</b>	Foam volume / break time	max. 50 ml / 3 s	ASTM D 1881
<b>Electrical conductivity</b>	at 23 °C	approx. 4 mS/cm	ASTM D 1125



# G30® Ready Mix Data Sheet

D/EVO 3070 e June 2016  
Supersedes edition of March 2016

Page 3 of 5

## Corrosion Test Data for Glysantin® G30®

### Glassware Corrosion Test

ASTM D 1384

Metal coupons	typical weight change mg/coupon	ASTM D 3306 limit mg/coupon
Copper	-0.8	10 max
Solder	-1.2	30 max
Brass	-0.9	10 max
Steel	0.1	10 max
Cast iron	1.3	10 max
Cast aluminum	-4.0	30 max

### Heat Transfer Corrosion Test

ASTM D 4340

	typical corrosion rate mg/cm <sup>2</sup> /week	ASTM D 3306 limit mg/cm <sup>2</sup> /week
Cast aluminum	0.3	1.0 max

### Simulated Service Corrosion Test

ASTM D 2570

Metal coupons	typical weight change mg/coupon	ASTM D 3306 limit mg/coupon
Copper	-2.8	20 max
Solder	-1.7	60 max
Brass	-1.4	20 max
Steel	-0.3	20 max
Cast iron	3.0	20 max
Cast aluminum	-3.3	60 max



# G30<sup>®</sup> Ready Mix Data Sheet

D/EVO 3070 e June 2016

Supersedes edition of March 2016

Page 4 of 5

## Cavitation Erosion Corrosion Test

ASTM D 2809

	Rating	ASTM D 3306 limit Rating
Aluminum water pump	9	8 min

## Polarization Resistance

NF R 15-602-9

	typical value	limit NF R 15-601
Aluminum:	$1.2 * 10^6 \Omega \cdot \text{cm}^2$	$> 10^6 \Omega \cdot \text{cm}^2$

## 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 are issued as a separate product specification.

## Packaging

Glysantin G30 Ready Mix is available in 1000 L IBC, 210 L drums and 1.5 L cans.

## Storage Stability

Glysantin G30 Ready Mix 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.

## Color

Glysantin G30 Ready Mix is available in red-violet.



# G30<sup>®</sup> Ready Mix Data Sheet

D/EVO 3070 e June 2016

Supersedes edition of March 2016

Page 5 of 5

## 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 are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do 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.

June 2016

[www.glystantin.de](http://www.glystantin.de)

BASF SE  
Fuel and Lubricant Solutions  
67056 Ludwigshafen, Deutschland

®=registered trademark of BASF SE