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GLYSANTIN® G30® Ready Mix

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, to maximize corrosion protection and 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.

Product properties are identical for the respective ECO BMB product.

GLYSANTIN® G30® Ready Mix fulfills the requirements of the following coolant standards:

- AS 2108-2004, ASTM D3306, ASTM D4985, ASTM D6210, ASTM D7583, BS 6580:2010, CUNA NC 956-1, AFNOR NFR 15-601, ÖNORMV 5123, 6, JIS K 2234:2006, SAE J1034, SANS 1251:2005 and China GB 29743-2013.

GLYSANTIN® G30® Ready Mix is officially approved by the following OEMs:

- | | |
|----------------------------|-------------------------|
| • Audi / Seat / Skoda / VW | TL 774-TL gD/F |
| • Bentley / Lamborghini | TL 774-F |
| • DAF | MAT 74002 |
| • Daimler Truck and Buses | MB-Approval 326.3 |
| • Deutz | DQC CB-14 |
| • Ferrari | from MY 2010 |
| • MAN | MAN 324 Type SNF |
| • MIMI Cooper D | From MY 2007 to MY 2011 |
| • MTU | MTL 5048 |
| • Porsche | From MY 1996 to MY 2009 |

Miscibility	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.		
Chemical nature	Ethylene glycol and water with corrosion inhibitors		
Appearance	Clear liquid without solid contaminants		
Physical data	Density at 20 °C	1.072 – 1.075 g/cm ³	DIN 51 757
	Boiling point	min 108 °C	ASTM D1120
	Flash point	None up to 108 °C	DIN ISO 2592
	pH value	7.8 – 8.5	ASTM D1287
	Refractive index	1.385 – 1.388	DIN 51 423
	Reserve alkalinity	4.0 – 5.5 mL	ASTM D1121
	Water content	47.0 – 51.0 %	DIN 51 777
	Ash content	max 1.0 %	ASTM D1119
Kinematic viscosity			DIN 51 562
	At 0 °C	8.8 mm ² /s	
	At 20 °C	4.1 mm ² /s	
	At 80 °C	1.0 mm ² /s	
Frost protection	Freezing point		ASTM D1177
	50 vol% solution	Below -38 °C	
Foaming characteristics	Foam volume / break time	max 50 mL / 3 s	ASTM D1881
Electrical conductivity	At 23 °C	Approx. 4 mS/cm	ASTM D1125
Glassware corrosion test	ASTM D1384		
	Metal coupons	Typical weight loss (mg/coupon)	ASTM D3306 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
	Aluminum	-4.0	30 max

Simulated service corrosion test	ASTM D2570		
	Metal coupons	Typical weight loss (mg/coupon)	ASTM D3306 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
	Aluminum	-3.3	60 max
Heat transfer corrosion test	ASTM D4340		ASTM D3306
	Metal coupon	Typical weight change (mg/cm ² /week)	ASTM D 3306 limit (mg/cm ² /week)
	Cast aluminum	0.3 mg / cm ² / week	1.0 max
Cavitation erosion corrosion test	ASTM D2809		ASTM D3306
	Aluminum water pump rating	9	8 min
Polarization resistance	NF R 15-602-9		NF R 15-601
	Aluminum	$1.2 \times 10^6 \Omega \text{ cm}^2$	$> 10^6 \Omega \text{ cm}^2$
Quality control	The above-listed data represents average values at the time of going to press this data sheet. They are intended as a guideline to facilitate handling and cannot be regarded as specific data. Specified product data are issued as a separate product specification.		
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.		
Packaging	GLYSANTIN® G30® Ready Mix is available in 1000 L IBC, 210 L drums and 1 L bottles.		
Color	GLYSANTIN® G30® Ready Mix is usually available in pink.		

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.

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