



G64® Ready Mix Data Sheet

D/EVO 3079 e September 2016
Supersedes edition of June 2016

Page 1 of 5

Glysantin® G64® Ready Mix is an engine coolant based on ethylene glycol and water.

Glysantin® G64® Ready Mix contains a corrosion inhibitor package based on salts of organic acids, phosphate and silicate (PSi-OAT coolant).

Glysantin® G64® Ready Mix is free of nitrites, amines and borates.

Properties

Glysantin® G64® Ready Mix is ready for use. Further dilution with water is not recommended

Glysantin® G64® Ready Mix is a 50:50 mixture of Glysantin® G64® 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.

Glysantin® G64® Ready Mix protects engines from corrosion, overheating and frost. It effectively protects engines against corrosion.

Glysantin® G64® Ready Mix protects engines with an elevated temperature profile from the formation of deposits from flux and corrosion in the cooling system with its vital ducts in engine block and cylinder head, the radiator, the heater core and the water pump.

Glysantin® G64® Ready Mix protects heavy duty diesel engines from pitting of the cylinder liners. It fulfills the ASTM D7583 requirements.

Glysantin® G64® fulfills the requirements of the following coolant standards:

ASTM D3306, ASTM D4985, ASTM D6210, ASTM D7583, SAE J1034, ÖNORM V 5123, CUNA NC 956-16, PN-C40007:2000, AS 2108-2004, JIS K 2234:2006, SANS 1251:2005, GB 29743-2013 and BS 6580:2010.

Glysantin® G64® is officially approved by

- Volvo Cars TR-31854114-002



G64[®] Ready Mix Data Sheet

D/EVO 3079 e September 2016
Supersedes edition of June 2016

Page 2 of 5

Miscibility

Since the special advantages of Glysantin[®] G64[®] Ready Mix will only be achieved when Glysantin[®] G64[®] Ready Mix is used exclusively. Mixing of Glysantin[®] G64[®] Ready Mix with other engine coolants 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 51 757-3
Boiling point	min. 105 °C	ASTM D 112
Refractive Index, 20°C	1.385-1.387	DIN 51 777-1
pH value	7.5 – 8.5	ASTM D 1287
Reserve alkalinity	min. 4.0 ml	ASTM D 1121
Water content	48.0 – 52.0 %	DIN 51 777-1

Frost protection

Freezing point	below -37 °C	ASTM D 1177
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Foaming characteristics

Foam volume / break time	max. 50 ml / 3s	ASTM D 1881
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G64[®] Ready Mix Data Sheet

D/EVO 3079 e September 2016
Supersedes edition of June 2016

Page 3 of 5

Corrosion Test data for Glysantin[®] G64[®]

Glassware Corrosion Test ASTM D 1384

Metal coupons	Typical weight change mg / coupon	ASTM D 3306 limit mg / coupon
Copper	0	10 max
Solder	0	30 max
Brass	-1	10 max
Steel	0	10 max
Cast Iron	1	10 max
Cast aluminum	1	30 max

Simulated Service Corrosion Test ASTM D 2570

Metal coupons	Typical weight change mg / coupon	ASTM D 3306 limit mg / coupon
Copper	-1	20 max
Solder	-11	60 max
Brass	-2	20 max
Steel	-1	20 max
Cast Iron	0	20 max
Cast aluminum	1	60 max

Cavitation Erosion Corrosion Test ASTM D 2809
Pump rating 10 min. 8

Heat Transfer Corrosion Test ASTM D 4340
Weight loss: - 0.06 mg / cm² / week 1.0 max



G64[®] Ready Mix Data Sheet

D/EVO 3079 e September 2016
Supersedes edition of June 2016

Page 4 of 5

Coolant Cavitation Test	ASTM D 7583		
	Pit counts	103	200 max
Stability	Inhibitor-Stability after 168 h	clear, no-precipitation	VW TL 774-G
	Hard water stability after 10 days	clear, no-precipitation	VW PV 1426
Foaming characteristics	33 vol % solution	max 50 ml / 3 s	ASTM D 1881
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 are issued as a separate product specification.		
Lagerstabilität	Glysantin [®] G64 [®] Ready Mix 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.		
Einfärbungen	Glysantin [®] G64 [®] Ready Mix is available in green.		



G64[®] Ready Mix Data Sheet

D/EVO 3079 e September 2016
Supersedes edition of June 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.

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