

## GLYSANTIN G40 COOLANT

### PRODUCT DESCRIPTION

Vertex Glysantin G40 Coolant Concentrate is an original Equipment Manufacturer (OEM), Fully Licensed and Warranty Approved, Ethylene glycol-based coolant concentrate (Type A). It contains a hybrid corrosion inhibitor package, free of nitrites, amines, borates, and phosphates, based on an advanced organic acids formulation with silicates (Si-OAT). Vertex Glysantin G40 Coolant protects against corrosion and deposits in the cooling system. It is also designed to provide superior corrosion protection and anti-freeze/anti-boil protection for all types of passenger and light commercial vehicles, petrol, LPG, light and Heavy Duty Diesel and industrial engines. When diluted 50% (v/v) in deionised water, Vertex Glysantin G40 provides protection against freezing to -37 °C and increases boiling point to greater than 160 °C.

### APPLICATIONS & BENEFITS

- Reduction of corrosion of all metals in the engine cooling system.
- Prevention of scale deposits or foams.
- Anti-freeze and anti-boil protection.
- Extended Service Life.
- Light commercial and passenger Vehicles - 8 years / 500,000 km, whichever comes first.
- Heavy Duty Vehicles- 8 years / 500,000 km, whichever comes first.
- Prevention foaming tendency that can cause water pump cavitation.
- Excellent cavitation and liner pitting protection.
- Protects against scale, rust, and residue build-up.

### PACK SIZES AVAILABLE

5L - 20L - 200L - 1000L IBC

### SPECIFICATIONS

- |                             |                                |  |
|-----------------------------|--------------------------------|--|
| • Audi TL 774-D/F/G         | • Jaguar M97-B44-D             | • Opel B 040 1065                        |
| • Bentley TL 774-D/F/G      | • JASO M325 (Japan)            | • Porsche (From 2010)                    |
| • BS 6580                   | • Jenbacher TA 1000-0201       | • Renault 41-01-001Q Type D              |
| • Bugatti TL 774-G          | • JI Case JIC 501              | • SAAB GM6277M                           |
| • Cummins CES 14603         | • JIS K2234 (Japan)            | • SAE J1034                              |
| • CUNA NC 956-16            | • KSM 2142 (Korea)             | • Scania T1.02-98 0813                   |
| • Deutz DQC CC-14           | • Irizar (from 09/2016)        | • Seat TL 774-D/F/G                      |
| • Deutz Fahr Harvesters     | • Lamborghini TL 774-D/F/G     | • Setra MB-Approval 325.5                |
| • Ducati (approved)         | • Liebherr Minimum LH-01-COL3A | • Skoda TL 774-D/F/G                     |
| • Fiat 9.55523              | • MAN 324 Type Si-OAT          | • Smart MB-Approval 325.6 (from 05/2014) |
| • Ford M97-B44-D            | • MB-Approval 325.5            | • Toyota Long Life TSK2601G              |
| • G12/G12+/G12++/G13        | • MB-Approval 325.6            | • UNE 26.361.88                          |
| • German Army TL6850-0038/1 | • MB-Approval 326.6            | • Vauxhall B 040 1065                    |
| • Glysantin® G40®           | • Mitsubishi ES-X64217         | • VW G13                                 |
| • GM 1825M/1899M6277M       | • MTU MTL 5048                 | • VW TL 774-D/FG                         |
| • GM Holden 6277M           | • Nissan NES M5059             |  |

## TYPICAL CHARACTERISTICS

Chemical Nature    Glysantin G40 Coolant Concentrate (Type A Coolant)							
Technical Data		Specifications		Typical		Method	
Density, g/cm³ @ 20 °C		1.125 -1.128		1.126		DIN 51757-V3	
pH value undiluted		8.2-8.6		8.5		ASTM D1287	
Refractive index @ 20 °C		1.431 -1.435		1.433		DIN 51423-2	
Reserve Alkalinity, mL		8-11		10.5		ASTM D1121	
Boiling Point, °C		>160		>160		ASTM D1120	
Flash Point, °C		>120		>120		DIN51777-1	
Water Content, %		Max 3.0		<3.0		DIN 51777/1	
Appearance		Pink		Pink		Visual Check	
Freezing point, °C at 33% (v/v)		≤ -18		-18		ASTM D1177	
Foaming Tendency		<150 mL/<5s		<50 mL/3s		ASTM D1881	
Foam test @ 20 °C [ml I ml]		≤20	≤5	≤20	≤5	VWTL774	
Corrosion Performance							
Glassware Corrosion Test    ASTM D 1384							
Metal and alloy			Weight loss (mg/coupon)			Limit VW TL 774-G (mg/coupon)	
Copper			0.1			3	
Solder			0.1			3	
Brass			-0.4			3	
Steel			-0.1			3	
Cast iron			-0.1			3	
GAISi6Cu4			-0.5			2	
AlSi12			-0.9			2	
AlMn			-0.4			2	
GAIS10Mg			-0.7			2	
* Negative values mean increase of weight							
Chip/filter paper method DIN51360-2							
Concentration			Corrosion rate			Limit VW TL 774-G	
20 Vol.%			Rating 4			Rating 4	
40 Vol.%			Rating 2			Rating 2	

## ADDITIONAL INFORMATION

- Product needs to be diluted @ 50% vv.
- Always dispose used coolants in accordance with state regulations
- The products contain Bittering agents.
- Product can be stored for 5 years provided container remains sealed.

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.

The information contained in this Product Data Sheet is accurate at the time of printing and is subject to change without prior notice.

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