

# Datasheet

Version 08 (LN) 11-10-2023

## RELIANT CARCOOLANT EVO BLUE

Material no.: 33498, 33541, 33540

RELIANT CARCOOLANT EVO BLUE is next generation Si-OAT technology with phosphate, supported by a robust organic backbone (OAT - Organic Additive Technology). It is a multifunctional coolant for Internal Combustion Engines and Battery Electric Vehicles that provides unique hard water and oxidation stability.

RELIANT CARCOOLANT EVO BLUE replaces former Si-OAT generation coolants, and hybrid Si-OAT generation coolants containing borate, molybdate and nitrate.

**Free from:** nitrites, borates, amines and 2-ethylhexanoic acid. It is designed to cope with the most extreme engine conditions in both passenger cars and heavy-duty applications.

### DESCRIPTION

RELIANT CARCOOLANT EVO BLUE is a technical grade coolant concentrate **based on Mono ethylene glycol**. It can be used with confidence in engines manufactured from cast iron, aluminum, or combinations of the two metals, and in cooling systems comprising aluminum or copper alloys. The coolant is particularly recommended for hi-tech engines, where high temperature aluminum protection is important. It is especially designed for use in modern Internal Combustion Engines (ICE), Hybrids and indirect cooling systems of Battery Electric Vehicles (BEV). RELIANT CARCOOLANT EVO BLUE provides year-round frost and corrosion protection. It is recommended to use at least 35 vol.% of the antifreeze in the final coolant solution. Concentrations higher than 70 vol.% are not recommended.

### COMPATIBILITY AND MIXABILITY

For optimal performance exclusive use of RELIANT CARCOOLANT EVO BLUE is recommended. Although RELIANT CARCOOLANT EVO BLUE is compatible with most other coolants based on ethylene glycol such as (former) Si-OAT coolant generations, for getting the full benefits of the product it should not be mixed with other products.

The coolant as concentrate needs to be diluted before use in your installations/systems. Use of deionized or distilled water to prepare the ready-to-use dilutions for controlled quality is advised. See freezing point / blending table below:

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| Dilution vol%<br>RELIANT<br>CARCOOLANT EVO<br>BLUE | Freezing point °C<br>(ASTM D1177) | Dilution vol%<br>RELIANT<br>CARCOOLANT EVO<br>BLUE | Freezing point °C<br>(ASTM D1177) |
|--|-----------------------------------|--|-----------------------------------|
| 35,4   | -20                               | 48,9   | -35                               |
| 40,3   | -25                               | 52,5   | -40                               |
| 44,8   | -30                               | 55,8   | -45                               |

RELIANT CARCOOLANT EVO BLUE meets the following standards:

ASTM D3306

JIS K2234:2018

FVV R 530:2005

BS 6580:2010\*

Ö-Norm1\*

GB 29743:2013\* (PC)

AFNOR NF-R-15-601

<sup>1</sup>except for RA

\* modified

RELIANT CARCOOLANT EVO BLUE is recommended for:

BMW LC 87, LC 97, LC 18

Alfa Romeo, Fiat, Lancia 9.55523

Chrysler MS 7170

Opel / Vauxhall GME L1301

VW G12 EVO (TL 774-L)

MAN 324NF, MAN 324 Si-OAT

MWM 0199-99-2091/12

Iveco standard 18-1830

Cummins 85T8-2

MB 325.5

Deutz DQC CA-14

Ford ESD-M97B49-A

Volvo Cars 128 6083 / 002 & TR-31854114-002

JI Case JIC-501

MTU / Roll Royce MTL 5048

Toyota 1WW/2WW Engines

For storage and safety information please see MSDS.

For full OEM approvals and recommendation list contact your sales rep.

Approved by: Knut Solaas, Product Manager

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