Glysantin® G64® is an engine coolant concentrate based on ethylene glycol that needs to be diluted with water before use.

Glysantin® G64® contains a corrosion inhibitor package based on salts of organic acids, phosphate and silicate (PSi-OAT coolant). Glysantin® G64® is free of nitrites, amines and borates.

Properties

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

Glysantin® G64® 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® 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:


Glysantin® G64® is officially approved by

- Volvo Cars TR-31854114-002
Miscibility

Since the special advantages of Glysantin® G64® will only be achieved when Glysantin® G64® is used exclusively. Mixing of Glysantin® G64® with other engine coolants is not recommended.

Glysantin® G64® should be blended with water in a concentration of 33 to 60% by volume prior to use. The usage of a 50/50 ratio for the mixture of water and Glysantin® G64® is generally recommended.

For preparation of the coolant it is recommended to use distilled or deionized water. In most cases tap water is also appropriate.

Analysis values of the water may not exceed the following threshold values:

- Water hardness: 0 – 3.6 mmol/l
- Chloride content: max 100 ppm
- Sulfate content: max 100 ppm

Chemical nature

Ethylene glycol with corrosion inhibitors

Appearance

Clear liquid without solid contaminants

Physical data

- Density at 20 °C: 1.123 – 1.126 g/cm³ DIN 51 757-4
- Boiling point: min 160 °C ASTM D 112
- Flash point: min 120 °C DIN ISO 2592
- pH value: 7.5 – 8.5 ASTM D 1287
- Reserve alkalinity: 8.0 – 10.0 ml ASTM D 1121
- Water content: max 5.0 % DIN 51 777-1

Frost protection

Freezing point

50 vol% solution: below -37 °C ASTM D 1177
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.

Storage Stability

Glysantin® G64® 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® G64® is usually available in green.

Frost Protection of Glysantin® G64®

![Frost Protection Graph](Image)
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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