

Product Information



COFRAN LF DOT 5.1

Premium Performance brake fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks, and motorcycles.

Description

COFRAN LF DOT 5.1 is a Premium Performance brake fluid meeting the requirements of ISO 4925 CLASS 3/4/5-1. The high dry and wet boiling points of COFRAN LF DOT 5.1 exceed the requirement according to FMVSS NR. 116 DOT 3/4/5.1 thus offering a reliable functionality even during longer braking processes and at high brake system temperatures. Due to the low viscosity, fast actuation is possible ensuring that ESP and ABS safety systems operate properly even at cold temperatures.

Application

The vehicle manufacturer's recommendations are to be adhered to when using COFRAN LF DOT 5.1. COFRAN LF DOT 5.1 must not be used in brake or hydraulic systems in which the use of mineral- or silicone-based fluids (e.g. LHM or DOT 5) is specified. Specifically developed for modern vehicles with driving stability systems such as ABS and ESP. COFRAN LF DOT 5.1 is miscible and compatible with conventional brake fluids of the same technology or specifications. In order to fully exhaust the benefits offered by COFRAN LF DOT 5.1, mixing with other products is to be avoided and a complete changeover to COFRAN LF DOT 5.1 is recommended. In case of contact with hands and car paint, please wash off thoroughly with water.

For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

Advantages

- Specifically developed for modern vehicles with driving stability systems such as ABS and ESP.
- Universal use in both passenger cars and commercial vehicles where a brake fluid according to ISO 4925 CLASS 3/4/5-1 is specified.
- Very fast response time of the brake system even at low temperatures due to the excellent flow behaviour of the low-viscosity brake fluid.
- Excellent protection against bubble formation due to its very high dry and wet boiling point.
- Significantly prevents corrosion, ageing, and deposits.

Specifications

- FMVSS NR. 116 DOT 3/4/5.1
- ISO 4925 CLASS 3/4/5-1
- JIS K 2233 CLASS 3/4/5
- SAE J1703/J1704

Recommendations

- MB 331.0

Product Information



TYPICAL CHARACTERISTICS

Density at 20°C	ASTM D 4052	1.069 g/ml
Kinematic Viscosity at -40°C	ASTM D 445	810 cSt
Dry Boiling Point	FMVSS 116	269 °C
Wet Boiling Point	FMVSS 116	187 °C
Colour	Visual	Pale Straw

Product Information



In all cases, to limit the risk of water contamination (including condensation), store drums and barrels horizontally. Do not expose packaging to strong sunlight or extreme temperatures. The information contained in this data sheet is based on FLF's experience and know-how in the development and manufacture of lubricants and other chemical products to the best of our knowledge. All chemical products must be used in the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). The performance of our products can be influenced by a range of factors, including conditions of use, application methods, operating environment, pre-treatment of components, possible external contamination, etc. For these reasons, a universal recommendation of our products is impossible. The information given in the data sheet represents general, non-binding guidelines and is provided for guidance only. No warranty, express or implied, is given concerning the properties of the product or its suitability for a given application. We therefore recommend consulting an application engineer to discuss application conditions and product performance criteria prior to use. It is the user's responsibility to test the functional suitability of the product and to use it under the appropriate safety conditions. Our products are subject to continuous improvement, with the aim of enhancing performance or bringing them into line with any new regulations. We reserve the right to modify our product ranges, our products and their manufacturing processes, as well as all the provisions of our publications, at any time and without prior notice. This data sheet cancels and replaces all previous editions. We expressly draw the attention of all users to the fact that our product has not been designed and tested for use in the nuclear and aeronautical fields ("embedded" product). Any use of our product in the aforementioned sectors is the sole responsibility of the user. Reproduction in any form requires the prior written consent of FLF, all rights reserved.