Product Information

COFRAN REFRIGEL UNIVERSAL -35

High Performance ready-mix coolant based on monoethylene glycol. 100% organic technology. Offers frost protection down to -35°C. Free of amines, phosphates or nitrites with OAT technology.

Description

COFRAN REFRIGEL UNIVERSAL -35 is a coolant Ready-Mix based on monoethylene glycol and demineralized water for commercial vehicles, passenger cars and stationary engines.
COFRAN REFRIGEL UNIVERSAL -35 is a 50 vol% mixture with water and can be used directly, without dilution, in the cooling system. The formula of COFRAN REFRIGEL UNIVERSAL -35 is the result of a deliberate selection of organic additives. This formulation allows the product to be used as an addition to inorganic fluids while eliminating the risk of deposits.

Application

COFRAN REFRIGEL UNIVERSAL -35 is a ready-to-use OAT coolant that can be mixed with standard inorganic products based on monoethylene glycol. However, to reach the maximum performance a complete product change is recommended.
Always observe the manufacturers recommendations when mixing with other coolants. Manufacturers' drain intervals and recommendations about the concentration are mandatory. As with all coolants, even with COFRAN REFRIGEL UNIVERSAL -35, the use of galvanized components in cooling circuits and as a part of storage or mixing installation (e.g. for pipes) should be avoided.

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

Do not expose packages to strong sunlight or extreme temperatures.

Advantages

- Prevents cavitation and provides excellent corrosion resistance and protection against deposits.
- Protects against overheating: +107°C.
- Improved heat transfer.
- Excellent stability and reliability.
- Excellent long-lasting high-temperature protection for the aluminum exchange surfaces contained in modern engines.
- Free of amines, phosphates or nitrites.

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Certifications : ISO 9001, IATF 16949, ISO 14001, ISO 45001

TYPICAL CHARACTERISTICS

Density at 20°C	DIN 51757	1,060 kg/m³
pH value	DIN 51369	7 to 8.5
Alcalinity reserve	NF T 78101	≥ 4 ml
Boiling Point	ASTM D 1120	107 °C
Freezing point	NF T 78102	-35 °C
Color		Pink
Corrosion on copper	NF R 15-602-7	± 2.5 mg/piece
Corrosion on welding	NF R 15-602-7	± 4.1 mg/piece
Corrsoion on brass	NF R 15-602-7	± 1.6 mg/piece
Corrosion on steel	NF R 15-602-7	± 0.4 mg/piece
Corrosion on ferrous cast iron	NF R 15-602-7	± 1.2 mg/piece
Corrosion on cast aluminium	NF R 15-602-7	± 4.3 mg/piece

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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.

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