

Klüberfluid® 9 R 100

Assembly and anticorrosion fluid



Description:

Klüberfluid 9 R 100 is a special synthetic oil based assembly fluid which can also be used as an efficient anticorrosion agent. When tested in accordance with the German DIN standard 50 017 in a condensation water alternating atmosphere, there is no corrosion even after 10 test cycles. Klüberfluid 9 R 100 is also characterized by a favorable behavior towards SBR and EPDM elastomers. Due to the multitude of elastomer compounds available, however, we recommend testing prior to application.

The product is miscible with brake fluids, e.g. in accordance with DOT 3 and DOT 4, and, an important factor when handling assembly aids, is not harmful when brought into contact with the normal skin. This was proven in a test for primary irritation of the skin conducted in accordance with the OECD guidelines no. 404.

Application:

Based on its special properties, Klüberfluid 9 R 100 is particularly suitable for automotive brake components. It can be used as an anti-corrosion medium for steel parts, protecting them while in stock and during transport between production and assembly, with the advantage that it does not have to be removed prior to the fitting of SBR and EPDM elastomer parts.

When used as an assembly fluid, Klüberfluid 9 R 100 facilitates the precise joining of individual components and thus supports functional reliability, preventing damage to the seals during fitting.

Its excellent wetting properties in conjunction with high lubricity have a favorable effect on initial friction, especially when metal and elastomer materials are paired.

Application notes:

Due to its low viscosity, Klüberfluid 9 R 100 can be efficiently applied by immersion or spraying.

Minimum shelf life:

The minimum shelf life is approx. 24 months if the product is stored in the original closed container in a dry place.

Product data:

Color, appearance	red, clear
Density, DIN 51 757, at 20 °C, g/ml, approx.	0.96
Viscosity, DIN 51 561 pt.1, at 40 °C, mm ² /s	115 ± 15 or 100 – 130
Flash point, DIN ISO 2592, °C	> 200
Anticorrosion behavior, DIN 50 017-KFW	no corrosion after 10 cycles

Klüberfluid 9 R 100

- Compatible with SBR and EPDM elastomers
- Prevents corrosion during storage and transport
- Miscible with brake fluids, e.g. in acc. with DOT 3 and DOT 4
- Not harmful to the normal skin, as proven in tests
- Excellent wetting properties and high lubricity, especially when metal and elastomer materials are paired

Pack size:

- 20 l canister
- 3 x 20 l canister
- 10 x 20 l canister
- 200 l drum

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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