

# Klüberfluid D-F 1 Ultra

Repair lubricant for open girth gear drives



## Benefits for your application

- Correction and repair lubricant for large open gear drives
- Ready-to-use product
- Suitable for application under full load conditions
- No cleaning of gears required after use
- Low consumption rate
- Free from solvents, bitumen, heavy metals, chlorine, graphite and MoS<sub>2</sub>
- Light-coloured, transparent formulation

## Description

Klüberfluid D-F 1 ULTRA is a running-in and repair lubricant suitable for manual spray application. It is based on mineral oil thickened with lithium soap and contains special additives.

Klüberfluid D-F 1 ULTRA is resistant to high pressure and is free from bitumen, solvents, heavy metals, chlorine, graphite and MoS<sub>2</sub>. Thanks to absence of solid lubricants, Klüberfluid D-F 1 ULTRA is classified as a light-coloured product making it highly suitable for drives where a clean, transparent, operational lubricant is required.

## Application

Klüberfluid D-F 1 ULTRA was specially developed for repair lubrication of damaged open gears. It is also highly suitable for rapid running-in of new or newly aligned gear sets such as those used with rotary kilns, tube kilns and winches, for example in the cement industry, power generation, mining, chemical industry, paper and sugar industry as well as the marine sector.

## Application notes

Klüberfluid D-F 1 ULTRA is applied in small quantities either by manual application via the Klübermatic LB pump or alternatively by brush.

To ensure optimum results are attained, repair lubrication should always be performed by experienced service engineers or technicians. Klüber specialists are internationally available to conduct this specialist service.

Klüberfluid DF1 ULTRA must be stirred prior to application.

**NOTE:** Klüberfluid D-F 1 ULTRA must not be applied via automatic spray equipment or centralised lubrication systems. To avoid misuse or error, Klüberfluid D-F 1 ULTRA should be stored in a safe place with its application restricted to specially authorised personnel!

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberfluid D-F 1 Ultra
Bucket 5 kg	+
Bucket 25 kg	+

Product data	Klüberfluid D-F 1 Ultra
Article number	039084
NLGI grade, DIN 51818	00
Upper service temperature	80 °C / 176 °F
Lower service temperature	10 °C / 50 °F



# Klüberfluid D-F 1 Ultra

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Product data	Klüberfluid D-F 1 Ultra
Colour space	green
Texture	soft to fluid
Density at 20 °C	approx. 0.98 g/cm <sup>3</sup>
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

## Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication 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 field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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