

# Klüberfluid UH1 4-1500

Lubricant for the initial lubrication of chains in the food-processing industry



## Benefits for your application

- Food grade lubricant for the initial lubrication of chains
- Excellent wear protection
- Good corrosion protection
- Very adhesive

## Description

Klüberfluid UH1 4-1500 is suitable for the initial lubrication of chains used in the food processing industry.

Klüberfluid UH1 4-1500 has excellent anti-wear properties, it is very adhesive and provides good protection against corrosion.

Klüberfluid UH1 4-1500 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. The lubricant was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of Klüberfluid UH1 4-1500 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

Klüberfluid UH1 4-1500 is suitable for the initial lubrication of load, transport, drive and control chains operating at low and normal temperatures. Apart from the food-processing industry, it can also be used for the initial lubrication in other industrial branches.

## Application notes

Klüberfluid UH1 4-1500 is applied by hot dipping. We recommend an immersion bath temperature of approx. 90 to 100°C. The chains can be taken out of the bath as soon as they have reached the bath temperature and bubbling has stopped. It is of advantage to preheat the chains in order to reduce the period in the immersion bath.

At temperatures above 80°C shorter relubrication intervals may be required, depending on the chain load and speed. For relubrication we recommend Klüberoil 4 UH1-N (up to ISO VG 460) or Klüberoil 4 UH1-1500 N Spray.

## 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 UH1 4-1500
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberfluid UH1 4-1500
Article number	029032
NSF-H1 registration	141 992
Lower service temperature	-40 °C / -40 °F
Upper service temperature	110 °C / 230 °F
Colour space	yellow
Texture	pasty
Density at 20 °C	approx. 0.88 g/cm <sup>3</sup>
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 1 500 mm <sup>2</sup> /s



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Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 125 mm <sup>2</sup> /s
Cone penetration of lubricating greases, DIN 51580, 25 °C, lower limit	140 x 0.1 mm
Cone penetration of lubricating greases, DIN 51580, 25 °C, upper limit	195 x 0.1 mm
Corrosion protection behaviour, DIN EN ISO 6270-2, condensation water in alternating atmosphere, 40 °C, material steel ST 37, corrosion after	>= 30 cycles
Drop point, DIN ISO 2176	>= 60 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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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