

# Klübersynth UH1 64-62

Synthetic lubricating grease suitable for use in the food-processing and pharmaceutical industries



## Benefits for your application

- Less maintenance due to good resistance to low and high temperatures, synthetic base oil for extended relubrication intervals and good resistance to water
- ISO 21469 certified - supports the compliance with the hygienic requirements in your production. You will find further information about ISO Standard 21469 on our website [www.klueber.com](http://www.klueber.com).

## Description

Klübersynth UH1 64-62 shows a good low- and high-temperature behaviour, and good resistance to water, corrosion, ageing and oxidation.

Klübersynth UH1 64-62 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 Klübersynth UH1 64-62 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

Klübersynth UH1 64-62 is suitable for lubrication points in machines and installations used in the food-processing and pharmaceutical industries, particularly for all points where contact between the lubricant and the food product cannot be

excluded. We recommend lubricating all friction points with Klübersynth UH1 64-62 in order to avoid negative effects caused by lubricant spreading.

## Application notes

Klübersynth UH1 64-62 is applied by brush, spatula, grease gun or grease cartridge. Before using Klübersynth UH1 64-62 to replace other greases, the bearings should be cleaned thoroughly. Grease exchange by relubrication is sufficient if the greases are miscible.

## 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	Klübersynth UH1 64-62
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	Klübersynth UH1 64-62
Article number	096046
NSF-H1 registration	136 871
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, thickener	silicate
Lower service temperature	-40 °C / -40 °F
Upper service temperature	140 °C / 284 °F
Colour space	beige
Texture	homogeneous
Density at 20 °C	approx. 0.92 g/cm <sup>3</sup>



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Product data	Klübersynth UH1 64-62
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 65 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 10 mm <sup>2</sup> /s
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> ; equipment:rotational viscometer	approx. 3 000 mPas
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Speed factor (n x dm)	approx. 500 000 mm/min
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
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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