

# Klübersynth UH1 64-62

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



## Your benefits at a glance

- 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).

## Your requirements - our solution

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	+
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

  

Characteristics	Klübersynth UH1 64-62
Article number	096046
Composition, thickener	silicate
Composition, type of oil	ester oil , synthetic hydrocarbon oil
Colour space	beige

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Characteristics	Klübersynth UH1 64-62
Texture	homogeneous
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
NSF H1 registration number	136871
Density, Klüber method: PN 024, 20°C	approx. 0.93 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup>	approx. 3000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 10 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 65 mm <sup>2</sup> /s
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
Speed factor (n x dm)	approx. 500000 mm/min
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 90 years.

Klüber Lubrication München GmbH & Co. KG /  
Geisenhausenerstraße 7 / 81379 München / Germany /  
phone +49 89 7876-0 / fax +49 89 7876-333.

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