

Klübersynth UH1 14-151

Synthetic lubricating grease for the food and pharmaceutical processing industry



Benefits for your application

- Good corrosion protection reduces the risk of premature bearing failure
- Good pumpability in centralized grease system prevents grease starvation
- For a wide service temperature range due to the soft consistency of the grease
- ISO 21469 certified – supports the compliance with the hygienic requirements in your production. You will find further information about NSF ISO Standard 21469 on our website www.klueber.com.

Description

Klübersynth UH1 14-151 was especially developed for the food processing and pharmaceutical industry. Klübersynth UH1 14-151 shows good anti-wear properties, water resistance and corrosion protection as well as a high ageing and oxidation stability.

Klübersynth UH1 14-151 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 14-151 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Used for machines and equipment in the food processing and pharmaceutical industry, particularly for lubrication points that may have incidental and technically unavoidable contact with the food product. However, we recommend using Klübersynth UH1 14-151 at all lubrication points, in order to avoid problems due to lubricant contamination.

This special grease lubricates rolling and sliding bearings, lifting cylinders, joints, guide bars, cams, etc.

Application notes

Klübersynth UH1 14-151 is applied by brush, spatula, grease gun and grease cartridge or by means of centralized lubrication systems.

Before substituting other greases with Klübersynth UH1 14-151 the bearings have to be cleaned and greased. If the greases are miscible, the grease can be exchanged by means of re-lubrication.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth UH1 14-151
Cartridge 370 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	Klübersynth UH1 14-151
Article number	096037
NSF-H1 registration	056 354
NLGI grade, DIN 51818	1
Lower service temperature	-45 °C / -49 °F
Upper service temperature	120 °C / 248 °F



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Product data	Klübersynth UH1 14-151
Colour space	beige
Texture	homogeneous
Density at 20 °C	approx. 0.89 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm
Flow pressure of lubricating greases, DIN 51805, test temperature:-45 °C	<= 1 400 mbar
Speed factor (n x dm)	approx. 500 000 mm/min
Drop point, DIN ISO 2176, IP 396	>= 250 °C
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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