

Klübersynth UH1 14-151

Synthetic lubricating grease for the food and pharmaceutical processing industry



Your benefits at a glance

- 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.

Your requirements - our solution

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.

For more details on MOSH/MOAH and their assessment in H1 lubricants, please visit our website or contact your Klüber representative.

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	+
Cartridge Lube-Shuttle 370 g	+
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

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Characteristics	Klübersynth UH1 14-151
Article number	096037
Composition, thickener	aluminium complex soap
Composition, type of oil	ester oil , synthetic hydrocarbon oil
Colour space	beige
Texture	homogeneous
Service temperature, lower limit	-45 °C
Service temperature, upper limit	120 °C
NSF H1 registration number	056354
Density, Klüber method: PN 024, 20°C	approx. 0.89 g/cm ³
NLGI grade, DIN 51818	1
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 22 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 150 mm ² /s
Flow pressure, DIN 51805-2, -45°C	≤ 1400 mbar
Dropping point, DIN ISO 22286 / IP 396	≥ 250 °C
Speed factor (n x dm)	approx. 500000 mm/min
Mineral Oils associated with, MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	No component of recipe
Mineral Oils associated with, MOSH (Mineral Oil Saturated Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Component of recipe
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 95 years.

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