

Klübersynth UH1 14-222

Synthetic lubricating grease for universal application in the food-processing and pharmaceutical industries



Your benefits at a glance

- Facilitates product streamlining owing to its wide range of applications
- Offers improved surface protection through good adhesion and its particular consistency
- 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

Your requirements - our solution

Klübersynth UH1 14-222 was developed for the special requirements of the food-processing and pharmaceutical.

Klübersynth UH1 14-222 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 14-222 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klübersynth UH1 14-222 is suitable for use in machines, installations and equipment of the food-processing and pharmaceutical industries, particularly for lubrication points that may have incidental and technically unavoidable contact with the food product.

This food-grade lubricant is intended for the universal lubrication of rolling and plain bearings, lifting cylinders, joints, guide rods and rails, cams, etc.

Application notes

Klübersynth UH1 14-222 is applied by brush, spatula, grease gun or grease cartridge.

Before applying Klübersynth UH1 14-222, the lubrication points should be thoroughly cleaned so as to ensure maximum hygiene, which is mandatory for H1 lubrication.

If the production process does not allow the machines and components to be cleaned, the grease can be replaced by relubrication. In this case, perfect H1 lubrication is only achieved after a certain time.

In all questions regarding the miscibility of greases, our Technical Consulting and Sales Department will be pleased to offer advice.

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 14-222
Cartridge 400 g	+
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Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

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Characteristics	Klübersynth UH1 14-222
Article number	096071
Colour space	beige
Texture	homogeneous
Service temperature, lower limit	-25 °C
Service temperature, upper limit	120 °C
NSF H1 registration number	128827
Density, Klüber method: PN 024, 20°C	approx. 0.94 g/cm ³
NLGI grade, DIN 51818	2
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 ⁻¹ , lower limit	6000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	12000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 29 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 260 mm ² /s
Low temperature torque, IP 186, -25°C, running torque	≤ 100 mNm
Low temperature torque, IP 186, -25°C, starting torque	≤ 1000 mNm
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °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 90 years.

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