

Klüberfood NH1 64-422

Synthetic special lubricating grease for the food and pharma processing industries



Your benefits at a glance

- Good wear protection and component life resulting from high base oil viscosity
- Good sealing protection of bearing to prevent ingress of moisture and enhancing reliability
- ISO 21469 certified - supports the compliance with the hygienic requirements in your production plant. You will find further information on ISO Standard 21469 on our website www.klueber.com.

Your requirements - our solution

Klüberfood NH1 64-422 is a special lubricating grease composed of a synthetic base oil and silicate thickener. This special NSF H1 registered grease has been designed for the lubrication of rolling bearings under the varying operating conditions of the food-processing industry.

Klüberfood NH1 64-422 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 Klüberfood NH1 64-422 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfood NH1 64-422 is used for the lubrication of rolling bearings of machines and installations e.g. in the manufacture of grain, meal and animal feeds. It is intended for applications where there may be technically unavoidable contact with the food product.

The use of Klüberfood NH1 64-422, an NSF H1-registered lubricant, can contribute to a safe product regime when used in accordance with food manufacturing regulations.

Application notes

Klüberfood NH1 64-422 is applied by standard commercial grease application equipment. e.g. spatula or grease gun.

Before applying Klüberfood NH1 64-422, all lubrication points should be thoroughly cleaned to ensure maximum hygiene conditions exist, mandatory for foodsafe H1 lubrication.

If the production process does not allow cleaning we recommend the existing grease be replaced by purging the system during relubrication.

Please do not hesitate to contact your local Klüber representative in respect of grease miscibility, relubrication procedures etc.

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	Klüberfood NH1 64-422
Cartridge 400 g	+
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Can 1 kg	+
Bucket 18 kg	+
Bucket 25 kg	+
Drum 180 kg	+

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Characteristics	Klüberfood NH1 64-422
Article number	096076
Colour space	beige
Texture	homogeneous
Service temperature, lower limit	-30 °C
Service temperature, upper limit	140 °C
NSF H1 registration number	129522
Density, Klüber method: PN 024, 20°C	approx. 1.00 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. 45 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 420 mm ² /s
Oil separation, DIN 51817 N, 168 h, 40°C	≤ 3 % by weight
Flow pressure, DIN 51805-2, -30°C	≤ 1400 mbar
Speed factor (n x dm)	approx. 300000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	18 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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