

Klüberfood NH1 14-261

Heavy-duty grease for the food-processing and pharmaceutical industries



Benefits for your application

- Reduced wear due to the excellent load-carrying capacity
- Very good flow characteristics ensure the lubrication point, also in roller bearings, is reliably supplied with lubricant and extend the component life
- NSF H1 registered supporting process reliability

Description

Klüberfood NH1 14-261 is composed of a highly refined base oil and a special aluminium complex soap thickener. Excellent flow characteristics ensure the lubrication points are reliably supplied with lubricant.

Klüberfood NH1 14-261 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 14-261 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfood NH1 14-261 was developed for the lubrication of rolling bearings of machines and installations subject to high loads, e.g. those processing grain, meal and animal feeds. It is intended for applications where there may be technically unavoidable contact with the food product.

Application notes

Klüberfood NH1 14-261 is applied by standard commercial grease application equipment. e.g. spatula, grease gun.

Before applying Klüberfood NH1 14-261, 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 re-lubrication.

Please do not hesitate to contact us 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 14-261
Cartridge 400 g	+
Bucket 5 kg	+
Bucket 25 kg	+

Product data	Klüberfood NH1 14-261
Article number	096095
NSF-H1 registration	138 315
Lower service temperature	-30 °C / -22 °F
Upper service temperature	120 °C / 248 °F
Colour space	white
Texture	homogeneous
Density at 20 °C	approx. 0.91 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm



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Product data	Klüberfood NH1 14-261
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm
Kinematic viscosity of the of base oil, DIN 51562 pt.01/ASTM D-445/ASTM D 7042, 40 °C, typical value	approx. 260 mm ² /s
NLGI grade, DIN 51818	1
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 000 mPas
Shear viscosity at 25°C, shear rate 300 s ⁻¹ , equipment:rotational viscometer, upper limit value	8 000 mPas
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
Drop point, DIN ISO 2176	>= 200 °C
Speed factor (n x dm)	approx. 500 000 mm/min
Four-ball tester, welding load, DIN 51350 pt. 04	>= 5 000 N
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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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