

Klüberfood NH1 11-572

Lubricating grease for the food-processing and pharmaceutical industries



Your benefits at a glance

- **Considerable cost savings possible through**
 - attractive price-performance ratio
 - reduced lubricant consumption
- **Longer maintenance intervals due to good load-carrying capacity and good resistance to wear and corrosion**
- **Easy and convenient application due to good pumpability and metering via centralised lubrication systems**
- **NSF H1 registered and in compliance with kosher and halal requirements**
- **ISO 21469 certified – supports compliance with the hygienic requirements of your production You will find further information about ISO Standard 21469 on our website www.klueber.com**

Your requirements - our solution

As an operator or OEM of large installations where rolling bearings run under high loads, you have to observe a wide variety of influences: to ensure trouble-free operation, reduce downtime and, above all, increasing pressure for cost savings. Our H1-registered Klüberfood NH1 11-572 is both a high-performance and attractively priced lubricating grease based on white oil and aluminium complex soap thickener.

Klüberfood NH1 11-572 offers strong antiwear properties, very good adhesion and resistance to water. This grease is also highly resistant to oxidation and protects your bearings reliably against corrosion. All these effects help to reduce your maintenance expenses at a very moderate lubricant purchase cost.

Klüberfood NH1 11-572 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 11-572 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfood NH1 11-572 is used for the lubrication of rolling bearings of machines and installations in the food-processing industry, e.g. in the processing of grain, meal and pellet animal feeds. Besides lubrication directly at the individual lube point by means of grease gun or lubricant dispenser, Klübergrease NH1

11-572 can also be applied to medium-temperature areas conveniently via centralised lubrication systems, e.g. bearings or rollers in animal feed pellet presses.

Application notes

Klüberfood NH1 11-572 can be applied by standard commercial grease application equipment, e.g. spatula, grease gun or via central lubrication systems.

Before applying Klüberfood NH1 11-572, all lubrication points should be thoroughly cleaned to ensure maximum hygiene conditions exist. This is highly recommended for food-safe H1 lubrication. If your production process does not allow cleaning, we recommend you to replace the existing grease by purging the system during relubrication.

Please do not hesitate to contact our technical consultants and sales departments to discuss grease miscibility, relubrication procedures, etc. If you wish to optimise the service life of your equipment or have any other questions regarding your application, our experts will be pleased to help you.

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.



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Pack sizes	Klüberfood NH1 11-572
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klüberfood NH1 11-572
Article number	096162
NSF-H1 registration	154 609
Chemical composition, type of oil	Weißöl
Chemical composition, thickener	aluminium complex soap
Lower service temperature	-15 °C / 5 °F
Upper service temperature	120 °C / 248 °F
Colour space	beige
Texture	homogeneous
Density at 20 °C	approx. 0.92 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	285 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	315 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 575 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 50 mm ² /s
Flow pressure of lubricating greases, DIN 51805, test temperature: -15 °C	<= 1 400 mbar
FTG 2 acc. to Vogel-Marawe	<= 0.5 mm
Drop point, DIN ISO 2176, IP 396	>= 230 °C
Four-ball tester, welding load, DIN 51350 pt. 04	>= 3 500 N
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	1 - 90
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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