

Klüberfood NH1 64-422

Synthetic special lubricating grease for the food and pharma processing industries

Benefits for your application

- **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.**
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Description

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.

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, is a contributor towards the supporting of food safety. The use of Klüberfood NH1 64-422 needs to be considered not in isolation but in line with other appropriate actions which have by law to be fulfilled by a food manufacturing plant to allow for food to be manufactured safely.

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.

Minimum shelf life

The minimum shelf life is approx. 18 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

400 g	grease cartridge
25 kg	bucket
180 kg	drum

Material Safety Data Sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.



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Product data	Klüberfood NH1 64-422
Article No.	096076
Colour	beige
Texture	homogeneous
Density at 20 °C, [g/cm ³], approx.	1
Service temperature range*, [°C]	-30 to 140
Apparent dynamic viscosity, Klüber viscosity grade **	M/S
Flow pressure, DIN 51 805, at -30 °C, [mbar]	≤ 1400
Worked penetration at 25 °C, DIN ISO 2137, [0.1mm] ***	265 - 295
Kinematic viscosity of the base oil, DIN 51562 T01, at 40 °C, [mm ² /s], approx. at 100 °C, [mm ² /s], approx.	420 45
Water resistance, DIN 51807, pt. 1, 3 h/ 90 °C, rating	0 - 90
Oil separation, DIN 51817, 7d/ 40 °C, [wt. %]	≤ 3
NSF H1 registered ****, registration number	129522

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

*** A product characteristic is the increase of the worked penetration. The product is softening after time and leaving the given range.

**** This lubricant is registered as H1, which means that it has been designed for incidental, technically unavoidable food contact. Experience shows that it can be used for equivalent applications in the cosmetic and pharmaceutical industry under the conditions described in the product information leaflet. Specific test results as e.g. biocompatibility, which could be an additional requirement for applications in the pharmaceutical industry, are not available for this product. Therefore, before using the lubricant adequate risk analyses should be performed and, if necessary, suitable measures be taken by the manufacturer and user of installations in order to exclude the risk of health hazards and personal injuries.


Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

www.klueber.com

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