Klüberfood NH1 94-120

Synthetic grease for the food processing and pharmaceutical industry

Your benefits at a glance

- Increased component availability and extended maintenance intervals
  - due to good wear protection
  - due to good corrosion protection
- Increased production reliability
  - due to low oil separation and high stability especially in centralized lubrication system, reduced machine downtimes
- 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

As a manufacturer or operator of installations for the food processing or pharmaceutical industry, you have regularly to consider a wide variety of requirements and therefore need to look for an adequate technical solution? With Klüberfood NH1 94-120, developed for incidental contact with products and packaging materials in the food-processing industry, we offer you a semi-fluid synthetic lubricating grease for rolling bearings, sliding guides and gears. Klüberfood NH1 94-120 provides excellent protection against tribocorrosion, resistance to water and good adhesion.

This lubricant is NSF H1-registered and therefore complies with FDA 21 CFR §178.3570.

Application

You can apply Klüberfood NH1 94-120 e.g. via centralised lubrication on multiple lubrication points such as gears, bearings, linear guides, ball screws, joints in a wide range of equipment in the food-processing industry (e.g. beverages, meat, fish processing, dairy, etc.):

- filling machines
- capping machines
- PET blowing machines
- seaming machines

MOSH-MOAH Hint

The chromatographic measurement of MOSH can also detect saturated hydrocarbons of form other sources than mineral oil so it may be possible for chromatographic MOSH peaks to be detected in some Klüber Lubrication H1 products.

Application notes

Klüberfood NH1 94-120 can be applied by brush, spatula, manually by grease gun or centralised lubrication system.

If your production process does not allow cleaning, we recommend you to replace the existing grease by purging the system during re-lubrication.

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.

Pack sizes	Klüberfood NH1 94-120
Can 1 kg	+

a brand of FREUDENBERG

Klüberfood NH1 94-120

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Characteristics	Klüberfood NH1 94-120
Article number	096160
Composition, thickener	calcium complex soap
Composition, type of oil	synthetic hydrocarbon oil
Mineral Oils associated with MOSH (Mineral Oil Saturated Hydrocarbons) / MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Intentionally added
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-45 °C
Service temperature, upper limit	140 °C
NSF H1 registration number	154193
Density, Klüber method: PN 024, 20°C	approx. 0.91 g/cm³
NLGI grade, DIN 51818	0
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	355 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	385 0.1 mm
Kinematic viscosity of the base oil, 40°C, calculated data	approx. 120 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
FZG scuffing test, DIN ISO 14635-3, based on standard, A / 2.8 / 50, failure load stage	≥ 12
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.	36 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 95 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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