

Klüberfood NH1 94-52

Fully synthetic multipurpose grease for the food-processing and pharmaceutical industries



Your benefits at a glance

- Extended maintenance intervals, e.g. in rolling bearings and linear guides
 - due to high load-carrying capacity and very good wear protection
 - due to very good oxidation resistance
- Excellent adhesion leading to reduced grease consumption
- Particularly good protection of components due to good water resistance
- 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 a manufacturer or operator of production or packaging equipment in the food-processing or pharmaceutical industry you are facing ever more challenges, e.g. the requirement to cover several applications with a single lubricant concept. This often coincides with the implementation of new technologies, rising requirements and the need to select a new lubricant. It is precisely for these requirements that we have developed Klüberfood NH1 94-52 based on a synthetic hydrocarbon oil and a calcium special soap. This product can support you substantially in the optimisation of your processes. Klüberfood NH1 94-52 is NSF H1-registered and complies with FDA 21 CFR § 178.3570.

Klüberfood NH1 94-52 was designed especially for incidental contact with products and packages in the food-processing and pharmaceutical industries and offers you excellent wear protection and high load-carrying capacity as well as a good anticorrosive effect in complex systems with numerous friction contacts and locally differing operating conditions.

Due to excellent adhesive properties and particularly good resistance to water, longer maintenance intervals can be attained with Klüberfood NH1 94-52, which leads to considerably lower production costs.

Application

You may use Klüberfood NH1 94-52 as a multipurpose grease, especially for the lubrication of rolling bearings and linear guides. Experience in practice has shown that a multitude of lubricants used in your plant can in fact be replaced by a single product concept: Klüberfood NH1 94-52.

Application notes

You may use Klüberfood NH1 94-52 e.g. for the initial lubrication or relubrication of rolling bearings and linear guides. Prior to initial lubrication, we recommend users should verify compatibility with the lubricant.

Before applying the grease, all lubrication points should be thoroughly cleaned. We recommend conducting an additional risk analysis, e.g. HACCP. Klüberfood NH1 94-52 is applied by spatula, grease gun, grease cartridge or via central lubrication systems.

If your production process does not allow cleaning, we recommend you to replace the existing grease by purging the system during relubrication. In this case the greases have to be miscible. We will be pleased to support you in checking the miscibility of greases and determining relubrication intervals.

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 94-52
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klüberfood NH1 94-52
Article number	096172
NSF-H1 registration	160333
Lower service temperature	-40 °C
Upper service temperature	120 °C
Colour space	brown
Texture	homogeneous
Density at 20 °C	ca. 0,95 g/cm ³
Drop point, DIN ISO 2176, IP 396	>= 260 °C
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	ca. 50 mm ² /s
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	<= 1 - 100 corrosion degree
Flow pressure of lubricating greases, DIN 51805-2, test temperature: -40 °C	<= 1400 mbar
Oil separation, based on ASTM D 6184 [FTMS 791 C 321], after 30 h/120 °C	<= 7 % by weight
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
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 90 years.

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