

Klüberfood NH1 94-6000

Synthetic fluid gear grease for the food processing and pharmaceutical industries



Your benefits at a glance

- Optimised lubricant supply to the friction point due to very soft consistency and good pumpability in central lubrication systems
- Reduced wear and extended maintenance intervals due to good load-carrying capacity and good corrosion protection
- Good low-temperature characteristics enable use in refrigerated environments
- NSF-H1 registration for increased process 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

Your requirements - our solution

Klüberfood NH1 94-6000 is a fluid grease based on a highly refined synthetic hydrocarbon and a special calcium complex soap thickener.

Klüberfood NH1 94-6000 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 94-6000 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Due to its special composition, Klüberfood NH1 94-6000 offers an unusual combination of performance characteristics. The special thickener provides very good wear protection even at the very soft consistency of NLGI 000. At the same time, Klüberfood NH1 94-6000 offers excellent corrosion protection along with good water resistance. This combination of special synthetic base materials enables optimum lubricant supply to the friction point also at low temperatures.

Application

Klüberfood NH1 94-6000 was especially developed for applications in machines and installations of the food-processing and pharmaceutical industries where incidental contact with your product

cannot be excluded. Klüberfood NH1 94-6000 is used e.g. as a fluid gear grease for the immersion lubrication of toothed and worm gears or chains that run more smoothly with a soft grease.

Application notes

Klüberfood NH1 94-6000 is applied by brush, spatula, grease gun, grease cartridge or via central lubrication systems. Before applying Klüberfood NH1 94-6000, all lubrication points should be thoroughly cleaned to ensure maximum hygiene conditions for H1 lubrication.

If the production process does not allow cleaning we recommend the existing grease be replaced by purging the system during relubrication.

Overlubrication should generally be avoided. Please do not hesitate to contact us for KlüberServiceSystem support regarding lubricant quantities, relubrication procedures or grease miscibility.

This product is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

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 94-6000
Can 1 kg	+
Bucket 5 kg	+

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Pack sizes	Klüberfood NH1 94-6000
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

Characteristics	Klüberfood NH1 94-6000
Article number	096115
Composition, thickener	calcium complex soap
Composition, type of oil	synthetic hydrocarbon oil
Colour space	brown
Texture	homogeneous , short fibrous
Service temperature, lower limit	-45 °C
Service temperature, upper limit	120 °C
NSF H1 registration number	143372
Density, Klüber method: PN 024, 20°C	approx. 0.88 g/cm ³
NLGI grade, DIN 51818	000
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	435 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	475 0.1 mm
Kinematic viscosity of the base oil, 100°C, calculated data	approx. 10 mm ² /s
Kinematic viscosity of the base oil, 40°C, calculated data	approx. 60 mm ² /s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 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.	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 90 years.

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