

Klübersynth UH1 14-151

Synthetic lubricating grease for the food and pharmaceutical processing industry

Benefits for your application

- Good corrosion protection reduces the risk of premature bearing failure
 - Good pumpability in centralized grease system* prevents grease starvation
 - For a wide service temperature range due to the soft consistency of the grease
 - ISO 21469 certified – supports the compliance with the hygienic requirements in your production. You will find further information about ISO Standard 21469 on our website www.klueber.com.
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Description

Klübersynth UH1 14-151 was especially developed for the food processing and pharmaceutical industry.

Klübersynth UH1 14-151 is NSF H1-registered and therefore complies with FDA 21 CFR § 178.3570..

Klübersynth UH1 14-151 shows good anti-wear properties, water resistance and corrosion protection as well as a high ageing and oxidation stability.

Application

Used for machines and equipment in the food processing and pharmaceutical industry, particularly for lubrication points that may have incidental and technically unavoidable contact with the food product. However, we recommend using Klübersynth UH1 14-151 at all lubrication points, in order to avoid problems due to lubricant contamination.

This special grease lubricates rolling and sliding bearings, lifting cylinders, joints, guide bars, cams, etc.

Application notes

Klübersynth UH1 14-151 is applied by brush, spatula, grease gun and grease cartridge or by means of centralized lubrication systems.

Before substituting other greases with Klübersynth UH1 14-151 the bearings have to be cleaned and greased. If the greases are miscible, the grease can be exchanged by means of re-lubrication.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

45 g tube
400 g grease cartridge
1 kg tin
25 kg bucket

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.

* The product can normally be applied by means of centralized lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed with the system manufacturer for each individual application. We will be pleased to provide assistance in this matter.



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Product data	Klübersynth UH1 14-151
Article number	096037
Service temperature range*, [°C]	– 45 to 120
Colour	beige
Texture	homogeneous
Density at 20 °C, [g/cm ³], approx.	0.92
Consistency, NLGI grade, DIN 51 818	1
Worked penetration at 25 °C, DIN ISO 2137; [0.1 mm]	310 to 340
Flow pressure, DIN 51 805, at – 45 °C, [mbar]	≤ 1400
Drop point, DIN ISO 2176, [°C]	≥ 250
Speed factor**, [n x d _m], approx.	300 000
NSF-H1 registration***, registration no.	056354

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, shear 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.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

*** 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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The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.

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