

Klübersynth® UH1 14-1600

Synthetic lubricating grease for the food and pharmaceutical processing industry

Benefits for your application

- NSF H1 registered supporting process reliability
 - Good wear protection with FZG test scuffing load stage 11
 - Component life enhanced resulting from a special thickener with good adhesion and corrosion protection
 - Good pumpability in centralised systems
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Application

Klübersynth UH1 14-1600 is especially suitable for applications in machines and installations used in the food processing and pharmaceutical industries where contact with the food product is technically unavoidable.

It is intended for use as a fluid gear grease for the immersion lubrication of toothed gears, worm gears and chains operating more smoothly with a softer grease.

Description

Klübersynth UH1 14-1600 is a high-performance lubricating grease especially developed for the food processing and pharmaceutical industries.

It is registered as NSF H1 and complies with FDA 21 CFR Sec. 178.3570. Furthermore the product has been designed in the light of the requirements of the ISO 21469 / DIN V 10517.

With its soft consistency Klübersynth UH1 14-1600 is particularly suitable as a fluid gear grease providing good antiwear protection. It also ensures good protection against corrosion and is mineral hydrocarbon free.

Application notes

Klübersynth UH1 14-1600 can be applied by brush, spatula, grease gun, or grease cartridge.

It can also be dispensed through centralised single-line lubrication systems.

Before substituting Klübersynth UH1 14-1600 for other greases, thoroughly clean the lubrication/friction points. If the greases are miscible, relubrication is sufficient. In gears, however, used grease should be removed as far as possible.

Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

1 kg cans
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.



Klübersynth[®] UH1 14-1600

Synthetic lubricating grease for the food and pharmaceutical processing industry

Product data	Klübersynth UH1 14-1600
Colour	light-yellow
Texture	homogeneous, fibrous
Density, DIN 51 757 at 20°C, [g/cm ³]	0.85
Drop point, DIN ISO 2176, [°C]	>220
Worked penetration at 25 °C, DIN ISO 2137; [0.1 mm]	400 to 430*
Consistency NLGI grade, DIN 51 818	00
Service temperature range**, [°C] approx.	-45 to 120
NSF-H1 registration***, registration no.	136695

* A special feature of this product is the very fast increase of worked penetration. It quickly becomes very soft (approx. 6 months) thus falling beyond the indicated worked penetration range and the NLGI classification.

** 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.

*** 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.

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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.

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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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