

Klübersynth UH1 14-222

Synthetic lubricating grease for universal application in the food-processing and pharmaceutical industries

Benefits for your application

- Facilitates product streamlining owing to its wide range of applications
 - Offers improved surface protection through good adhesion and its particular consistency
 - 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
-

Description

Klübersynth UH1 14-222 was developed for the special requirements of the food-processing and pharmaceutical industries and is registered as NSF H1. It therefore complies with FDA CFR 21 § 178.3570.

The use of Klübersynth UH1 14-222 is a contributor towards the supporting of food safety. This needs to be considered not in isolation but in line with other appropriate actions which have by law to be fulfilled by a food manufacturing plant to allow for food to be manufactured safely.

Application

Klübersynth UH1 14-222 is suitable for use in machines, installations and equipment of the food-processing and pharmaceutical industries, particularly for lubrication points that may have incidental and technically unavoidable contact with the food product.

This food-grade lubricant is intended for the universal lubrication of rolling and plain bearings, lifting cylinders, joints, guide rods and rails, cams, etc.

Application notes

Klübersynth UH1 14-222 is applied by brush, spatula, grease gun or grease cartridge.

Before applying Klübersynth UH1 14-222, the lubrication points should be thoroughly cleaned so as to ensure maximum hygiene, which is mandatory for H1 lubrication.

If the production process does not allow the machines and components to be cleaned, the grease can be replaced by relubrication. In this case, perfect H1 lubrication is only achieved after a certain time.

In all questions regarding the miscibility of greases, our Technical Consulting and Sales Department will be pleased to offer advice.

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

400	g	grease cartridge
1	kg	can
25	kg	bucket
180	kg	drum

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 14-222

Synthetic lubricating grease for universal application in the food-processing and pharmaceutical industries

Product data	Klübersynth UH1 14-222
Article number	096071
Service temperature range*, [°C]	-25 to 120
Colour	beige
Texture	homogeneous
Density at 20 °C, [g/cm ³], approx.	0.92
Consistency, NLGI class, DIN 51 818	2
Worked penetration at 25 °C, DIN ISO 2137, [0.1 mm]	265 - 295
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , device: rotational viscosimeter, [mPas]	6 000 – 12 000
Base oil viscosity, DIN 51 562 pt. 01 at 40 °C, [mm ² /s], approx. at 100 °C, [mm ² /s], approx.	260 29
Low-temperature torque, IP 186, -25 °C starting, [mNm] running, [mNm]	≤ 1000 ≤ 100
Drop point, DIN ISO 2176, [°C]	> 220
NSF-H1 registration **, registration number	128827

* 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.

** 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 cosmetics 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

Klüber Lubrication München KG, Geisenhausenerstraße 7, 81379 München, Germany, Phone +49 89 7876-0, Fax +49 89 7876-333.

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.



Klüber Lubrication, a company of the Freudenberg Group

Publisher and Copyright: Klüber Lubrication München KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München KG and if source is indicated and voucher copy is forwarded.