

Klüberpaste UH1 84-201

White lubricating and assembly paste for the food-processing and pharmaceutical industries



Benefits for your application

- **Reliable adhesion to the friction point, also when subject to humidity**
- **Good compatibility with high-alloy steels**
- **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

Klüberpaste UH1 84-201 is a white lubricating and assembly paste for versatile lubricating and assembly purposes in hygienically sensitive environments.

It contains fully synthetic base oils and a special blend of organic and inorganic thickeners.

Klüberpaste UH1 84-201 is water-resistant and provides good corrosion protection. It is therefore suitable for friction points affected by humidity which normally require the use of special products.

Klüberpaste UH1 84-201 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 Klüberpaste UH1 84-201 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberpaste UH1 84-201 is generally suitable for almost all friction points in the food-processing and pharmaceutical industries

- as an assembly paste for transition and loose fits to prevent fretting corrosion,
- as a long-term lubricant for low-speed guide rails, hinges, rollers, chains, etc

Application notes

Before applying the paste, it is important to clean and degrease the contact surfaces thoroughly. A thin layer of the paste is then applied by brush, leather cloth or synthetic sponge.

Klüberpaste UH1 84-201 spreads easily over the entire surface, preventing excessive lubrication at lubrication points without reservoir.

When using the paste on small gears, make sure the tooth faces are evenly greased. Before applying the product to plastic components it should be tested for compatibility with the original material.

Opened packs must be thoroughly closed again after use to protect the paste from contamination.

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	Klüberpaste UH1 84-201
Tube 60 g	+
Cartridge 500 g	+
Can 600 g	+
Bucket 25 kg	+

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Product data	Klüberpaste UH1 84-201
Article number	005113
NSF-H1 registration	136 305
Lower service temperature	-45 °C / -49 °F
Upper service temperature	120 °C / 248 °F
Colour space	white
NLGI grade, DIN 51818	1
Kinematic base oil viscosity, DIN 51562, part 01/ASTM D-445/ASTM D 7042, 40 °C (no polymer content)	approx. 200 mm ² /s
Kinematic base oil viscosity, DIN 51562, part 01/ASTM D-445/ASTM D 7042, 100 °C (no polymer content)	approx. 22 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Friction coefficients screw test, screw M 10x30-8.8, DIN EN ISO 4017, black and nut M 10-8, DIN EN ISO 4032, polished, averaged thread friction coefficient (first-time tightening)	0.1
Friction coefficients screw test, screws M 10x30-8.8, DIN EN ISO 4017, black and nut M 10-8, DIN EN ISO 4032, bright, averaged head friction coefficient (first-time tightening)	0.1
Friction coefficients screw test, screw M 10x30-8.8, DIN EN ISO 4017, black and nut M 10-8, DIN EN ISO 4032, polished, standard deviation thread friction coefficient (first-time tightening)	0.011
Friction coefficients screw test, screw M 10x30-8.8, DIN EN ISO 4017, black and nut M 10-8, DIN EN ISO 4032, polished, standard deviation head friction coefficient (first-time tightening)	0.015
Four-ball tester, welding load, DIN 51350 pt. 04	>= 3 000
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months
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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 80 years.

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