

# Klüberpaste UH1 84-201

White lubricating and assembly paste



## Description

Klüberpaste UH1 84-201 is a white lubricating and assembly paste registered as NSF-H1. Its base oil is fully synthetic. The thickener consists of a mixture of organic and inorganic solid lubricants.

Klüberpaste UH1 84-201 is manufactured without any heavy metal or sulphurous raw materials. Klüberpaste UH1 84-201 is an all-purpose assembly paste and also particularly suitable for friction points affected by humidity. Its features include good water resistance, good anti-corrosion properties, and excellent compatibility with high-alloy steels.

## Applications

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

### Assembly paste

- for transition and clearance fits.

### Screw compound

- for high-alloy steels to optimise the tightening torque and facilitate disassembly even after extended periods of service.

### Lubricating and assembly paste

- for low-speed plain bearings and axially guided plain bearings;  
- for guide rails, hinges, rollers, cams, etc.

## Application notes

Before Klüberpaste UH1 84-201 is applied you must thoroughly clean and degrease the contact surfaces.

Then use a brush, leather rag or synthetic sponge to apply a thin layer that just covers the surface.

Klüberpaste UH1 84-201 spreads easily over the entire surface, preventing excessive lubrication at lubrication points without reservoir. When using this paste on small gears make sure the tooth faces are evenly greased.

Before Klüberpaste UH1 84-201 is applied to plastic components it should be tested for compatibility with the original material.

## Minimum shelf life

Minimum shelf life is approx. 24 months if the product is stored carefully in its unopened original packing in a dry room. Current material safety data sheets can be downloaded from our website [www.klueber.com](http://www.klueber.com) or requested from Klüber Lubrication.

## Pack sizes

|           |           |
|-----------|-----------|
| 25 x 60 g | tube      |
| 500 g     | cartridge |
| 600 g     | can       |
| 25 kg     | hobbock   |

- Powerful lubricating and assembly paste registered as NSF-H1
- Excellent low-temperature behaviour
- Good pressure absorption capacity
- Good corrosion protection
- Neutral towards alloyed steel
- Water hazard category 2
- Metal-free

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## Product data

|   |            |
|---|------------|
| Colour  | white      |
| Service temperature range*, [°C], approx.   | -45 to 120 |
| Density, at 20 °C, [g/cm <sup>3</sup> ], approx.  | 1.13       |
| Kinematic base oil viscosity, DIN 51 582 T01, Ubbelohde, 40 °C, [mm <sup>2</sup> /s], approx.                                       | 200        |
| Drop point, DIN ISO 2176, [°C]  | ≥ 240      |
| Cone penetration of lubricating greases, DIN ISO 2137, worked penetration difference acc. to ASTM D 271 at 25 °C, [0,1 mm], approx. | 310 - 340  |
| Four ball tester (VKA) welding force, DIN 51350 part 04, [N]  | ≥ 3,000    |
| Anti-corrosion effect of lubricating greases, DIN 51802, (SKF Emcor), 1 week, distilled water, corrosion rating                     | ≤1         |
| NSF-H1 registration**, registration no.   | 136305     |

\* **Service temperature range:** Service temperatures are approximations that can vary with lubricant composition, intended use, and application method. Depending on the kind of mechanico-dynamic load, the consistency, apparent viscosity or viscosity of lubricants will vary with temperature, pressure, and time. 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.

This product information data sheet is based on our general experience and knowledge by the time it went to press and is intended to inform technically experienced readers about possible applications. It is no warranty of product properties or suitability in the individual case. Nor does it release the user from performing preliminary tests with the selected product. We recommend contacting our technical consultants for a discussion of your specific needs. If requested and possible we shall gladly provide samples for testing. Klüber products are continually improved. Klüber Lubrication, therefore, reserves the right to change any and all technical information contained in this publication at any time and without prior notice.



Klüber Lubrication, a member of the Freudenberg group