

Klüberpaste® UH1 84-201

White lubricating and assembly paste



Description

Klüberpaste UH1 84-201 is a white lubricating and assembly paste authorized in accordance with USDA-H1. It contains a fully synthetic base oil and a thickener consisting of a mixture of organic and inorganic solid lubricants.

The raw materials contain no heavy metals or sulphur.

Klüberpaste UH1 84-201 is universally applicable as an assembly paste and particularly suitable for lubrication points operating in a humid environment. The paste is very resistant to water, shows good anticorrosion behaviour and is compatible with high-alloy steels.

degrease the contact surfaces thoroughly. A thin layer of the paste is then applied by brush, leather rag or synthetic sponge. It spreads easily over the entire surface and thus prevents over-lubrication. If Klüberpaste UH1 84-201 is used on small gears ensure that the tooth flanks are covered evenly. We recommend carrying out a compatibility test before applying the paste to plastic materials.

Storage

The storage period is approx. 2 years if the product is stored in the original closed container in a dry place.

Klüberpaste UH1 84-201

- Metal-free
- High-performance lubricating and assembly paste authorized in acc. with USDA-H1
- Excellent low-temperature behaviour
- Good pressure absorption capacity
- Good corrosion protection
- Neutral towards alloyed steel
- Water hazard category 1

Application

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

As an assembly paste

- for transition and clearance fits

As a screw compound

- for high-alloy steels to optimize the tightening torque and facilitate disassembly after a long service life

As a lubricating and assembly paste

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

Pack size

25 x 50 g tubes
500 g cartridge
600 g can
25 kg drum

Product data

Colour	white
Service temperature range, °C, approx.	-45 to 120
Density, DIN 51 757, at 20 °C, (g/cm ³), approx.	1.13
Base oil viscosity, DIN 51 561, at 40 °C, (mm ² /s)	200
Drop point, DIN ISO 2176, °C	> 240
Worked penetration at 25 °C, DIN ISO 2137 (ASTM D 271); 0.1 mm	310 – 340
Four-ball welding test, DIN 51 350 Pt 4, N	> 3000
Corrosion behaviour, SKF Emcor test, DIN 51 802, 1 week, distilled water, rating	1

Application notes

Before applying Klüberpaste UH1 84-201 it is important to clean and

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Safety Data Sheet

1.1 Product name: Klüberpaste UH 1 84-201 Code-No. : 005 113	Drop point > 240 °C Flash point (base oil) > 200 °C Flammability not applicable Ignition temperature not applicable Autoflammability not applicable Lower explosion limit not applicable Upper explosion limit not applicable Vapour pressure – first not applicable Density (20 °C) ≈ 1.13 g/cm ³ Water solubility insoluble pH value not applicable Kinematic viscosity not applicable Further information None
Klüber Lubrication München KG, Geisenhausenerstr. 7 D-81379 Munich; Tel. (089) 7876-0, Fax (089) 7876-333 Emergency no.: (089) 7876-0	10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: > 300 °C traces of fluorinated products. Additional information: None
2. Composition/information on ingredients Chemical characterization: Synthetic hydrocarbon oil, PTFE, solid lubricants Additional information: No hazardous ingredients	11. Toxicological information The toxicological data has been taken from products of similar composition. Acute toxicity: LD ₅₀ oral/rat = > 2g/kg (literature data) Chronic toxicity: None Human experience: Health injuries are not known or expected under normal use.
3. Hazards identification No particular hazards known.	12. Ecological information Information on elimination: Product is insoluble in water. May be separated out mechanically in purification plants. Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use. Ecotoxic effects: The product has not been tested. Aquatic toxicity is unlikely due to low solubility. Additional information: Should not be released into the environment.
4. First aid measures Contact with skin: Wash off with soap and plenty of water. Contact with eyes: Rinse with plenty of water. Ingestion: Do not induce vomiting. Obtain medical attention. Advice to doctor: Treat symptomatically.	13. Advice on disposal Can be incinerated when in compliance with local, state and federal regulations. Contains halogene. Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities.
5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, CO ₂ Unsuitable extinguishing media: High volume water jet Special hazards: In case of fire can be released: Carbon monoxide, hydrocarbons, traces of fluorinated products Special protecting equipment: Standard procedure for chemical fires. Additional information: Cool closed containers with water mist. Do not breathe fumes.	14. Transport information GGVS / GGVE: not applicable ADN / ADNR: not applicable IMDG / GGVsee: not applicable ICAO / IATA: not applicable Further information: Not classified as dangerous in the meaning of transport regulations.
6. Accidental release measures Personal precautions: Not required. Environmental precautions: Do not flush into surface water or sanitary sewer system. Methods for cleaning up/taking up: Use mechanical handling equipment. Dispose of absorbed material in acc. with the regulations. Additional information: None	15. Regulatory information Labelling: The product does not require a hazard warning label.
7. Handling and storage Safe handling: No special handling advice required. Protection against fire and explosion: No special precautions required. Requirements on storage rooms and vessels: — Incompatible materials: Incompatible with oxidizing agents. Further information: Store at room temperature in the original container.	16. Other information USDA H 1 authorization
8. Exposure controls / personal protection Additional advice on system design: Not applicable Ingredients and specific control parameters: None Personal protective equipment Respiratory/hand/eye/body protection: No special protective equipment required. General protection and hygiene measures: Clean skin thoroughly after work; apply skin cream. Keep away from tobacco products.	
9. Physical and chemical properties Form paste Colour white Odour none	

The data in this brochure 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 without, however, constituting an assurance of properties for specific cases. We recommend contacting our Technical Consulting Staff for information regarding specific applications. If required and possible we will be pleased to provide a sample for testing.



Klüber Lubrication, a member of the Freudenberg Group