

Klübersynth® UH1 64-2403

Food grade lubricant



Description:

Klübersynth UH1 64-2403 has been especially developed for the food processing and pharmaceutical industries.

It complies with German food regulations and meets the requirements set forth in the "guidelines of sec. 21 CFR 178.3570 of FDA regulations". It has been registered by the USDA as an H1 lubricant.

Klübersynth UH1 64-2403 is resistant to hot and cold water, disinfectant solutions, cleaning agents and steam.

When applied properly, it does not impair the formation of froth or the taste of beer. A recognized testing laboratory for beverage dispensing taps confirmed that all requirements for a sealing grease in dispensing installations are met.

Application:

Klübersynth UH1 64-2403 is a special grease suitable for beer taps, barrel filling installations, filters, stuffing boxes, rubber diaphragms and seals.

Application notes:

Klübersynth UH1 64-2403 may be applied by brush, spatula or grease gun, or simply by squeezing it out of the tube.

Note:

Klübersynth UH1 64-2403 is not suitable for filling taps with EPDM seals (ethylene-propylene-diene-rubber). In this case use PARALIQ GTE 703.

Minimum shelf life:

The minimum shelf life is approx 24 months if the product is stored in the original closed container in a dry place.

Package sizes:

25 x 45 g tubes
6 x 1 kg tins
25 kg bucket

Product data:

Colour	beige
Texture	homogeneous, fibrous
Density, DIN 51 757, at 20 °C, g/cm ³ , approx.	0.87
Drop point, DIN ISO 2176, °C	without
Worked penetration at 25 °C, DIN ISO 2137; 0.1 mm	220 to 250
Apparent viscosity, viscosity grade	S
Service temperature range*, °C	10 to 140

* 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 mechanical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

Klübersynth UH1 64-2403

- Resistant to steam
- Excellent adhesion
- Mineral hydrocarbon free
- Resistant to hot and cold water
- Neutral towards beer froth
- USDA H1 authorization

Klübersynth® UH1 64-2403

Safety Data Sheet

1.1 Product name: Klübersynth UH1 64-2403 Code-No.: 096 039 27.06.2001
1.2 Klüber Lubrication München KG Geisenhausenerstraße 7 D-81379 München Tel. ++49 - 89 78 76 - 0 telephone exchange Fax: ++49 - 89 78 76 - 333 Emergency telephone no.: ++49 - 89 7876 - 0
2. Composition / information on ingredients Chemical characterization (preparation): Synthetic hydrocarbon oil, silicate
3. Hazards identification No particular hazards known
4. First aid measures After inhalation: Not applicable After contact with skin: Wash off with soap and plenty of water After contact with eyes: Rinse with plenty of water After ingestion: Do not induce vomiting. Obtain medical attention Advice to doctor: Treat symptomatically
5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO ₂) Unsuitable extinguishing media: High volume water jet Special Hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons Special protective equipment for firefighters: Standard procedure for chemical fires Additional information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes
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 accordance with the regulations Additional information: None
7. Handling and storage Advice on safe handling: No special handling advice required Advice on protection against fire and explosion: No special precautions required Requirements on storage rooms and vessels: No special storage conditions required Incompatible materials: Incompatible with oxidizing agents. Further information on storage conditions: Store at room temperature in the original container
8. Exposure controls / personal protection Additional advice on system design: Not applicable Ingredients and specific control parameters: None Respiratory protection: No special protective equipment required Hand protection: No special protective equipment required Eye protection: No special protective equipment required Body protection: No special protective equipment required Other protection measures: No special protective equipment required General protection and hygiene measures: Clean skin thoroughly after work; apply skin cream

9. Physical and chemical properties Form: paste Colour: beige Odour: characteristic Drop point: none, DIN ISO 2176 Flash point: > 200 °C (base oil) 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: approx. 0.87 g/cm ³ , 20 °C Water solubility: insoluble pH value: not applicable Kinematic viscosity: not applicable Further information: none
10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use Additional information: None
11. Toxicological information The toxicological data has been taken from products of similar composition Acute toxicity: LD ₅₀ /oral/rat = > 2 g/kg (literature data) Chronic toxicity: None Human experience: Health injuries are not known or expected under normal use
12. Ecological information Information on elimination (persistence and degradability): 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: Aquatic toxicity is unlikely due to low solubility Additional information: Should not be released into the environment
13. Advice on Disposal Code of waste: 120 112, Wastes from shaping and surface treatment of metals and plastics; wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filling); spent waxes and fats Disposal: Can be incinerated when in compliance with local, state and federal regulations Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities
14. Transport information GGVS / GGVE: not applicable ADN / ADN: not applicable IMDG-Code: not applicable ICAO / IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations
15. Regulatory information Labelling according to EU-guidelines: The product does not require a hazard warning label in accordance with EC-directives/German regulations on dangerous substances National regulations
16. Other information USDA H 1-approval Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 7876 - 564

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 München KG, a member of the Freudenberg group