

Klübersynth UH1 64-2403

Synthetic sealing grease for the food-processing and pharmaceutical industries



Your benefits at a glance

- Offers very good resistance to hot and cold water and steam, extending maintenance intervals
- 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.
- Certified acc. to international standards, e.g. UBA (DVGW-KTW), NSF Standard 61, NSF H1 and Halal (HFCE)

Your requirements - our solution

Klübersynth UH1 64-2403 has been especially developed for the food-processing and pharmaceutical industries. Klübersynth UH1 64-2403 is resistant to hot and cold water.

Klübersynth UH1 64-2403 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. In addition this grease is Halal certified (HFCE) and related drinking water certificates such as UBA (DVGW-KTW) and NSF Standard 61 are available.

Klübersynth UH1 64-2403 was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of Klübersynth UH1 64-2403 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

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

MOSH-MOAH Hint

The chromatographic measurement of MOSH can also detect saturated hydrocarbons of form other sources than mineral oil so it may be possible for chromatographic MOSH peaks to be detected in some Klüber Lubrication H1 products.

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 normally compatible with most elastomer types, however we recommend the use of PARALIQ GTE 703 for filling taps with EPDM seals (ethylene-propylene-diene rubber).

Variations in the colour of products manufactured by means of chemical processes are a common phenomenon. Possible causes are, for example, variations in the colour of natural raw materials. All these colour variations, however, are in no way an indication of a change in the quality of the product.

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	Klübersynth UH1 64-2403
Cartridge 370 g	+
Can 1 kg	+
Bucket 25 kg	+

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Characteristics	Klübersynth UH1 64-2403
Article number	096039
Composition, thickener	silicate
Composition, type of oil	synthetic hydrocarbon oil
Mineral Oils associated with MOSH (Mineral Oil Saturated Hydrocarbons) / MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Not intentionally added
Colour space	beige
Texture	homogeneous
Service temperature, lower limit	-10 °C
Service temperature, upper limit	140 °C
NSF H1 registration number	056363
NLGI grade, DIN 51818	3
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	220 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	250 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	8000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	20000 mPas
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

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 95 years.

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The data in this document is based on our general experience and knowledge at the time of publication 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 field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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