

# Klüberlub NH1 11-222

Multi-purpose lubricant for the food-processing and pharmaceutical industries



## Your benefits at a glance

- Lubricant rationalisation possible due to the product's multiple uses
- Good water resistance providing increased levels of surface protection when compared to a standard lithium EP 2 grease
- NSF H1 registered supporting process reliability
- 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](http://www.klueber.com).

## Your requirements - our solution

Klüberlub NH1 11-222 is a lubricating grease based on paraffinic mineral oil and aluminium complex soap. Klüberlub NH1 11-222 is resistant to water and hot water.

Klüberlub NH1 11-222 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 Klüberlub NH1 11-222 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

Klüberlub NH1 11-222 is used for machines and installations in the food-processing and pharmaceutical industries, especially for applications where incidental contact with the food product cannot be excluded.

Typical applications are for example in rolling and plain bearings, lifting cylinders, joints, guide bars, guide rails, cam discs, seals etc.

## Application notes

Klüberlub NH1 11-222 is applied by brush, spatula, grease gun or grease cartridge.

To ensure perfect hygienic lubrication conditions the lube points have to be cleaned before applying Klüberlub NH1 11-222 for the first time.

If the production process does not allow cleaning, we recommend the existing grease be replaced by purging the system during re-lubrication.

Please do not hesitate to contact us in respect of grease miscibility, re-lubrication procedures etc.

This product is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberlub NH1 11-222
Cartridge 370 g	+
Cartridge 370 g	+
Can 1 kg	+
Bucket 25 kg	+

# Klüberlub NH1 11-222

Multi-purpose lubricant for the food-processing and pharmaceutical industries



Pack sizes	Klüberlub NH1 11-222
Bucket 50 kg	+
Characteristics	Klüberlub NH1 11-222
Article number	096090
Composition, thickener	aluminium complex soap
Composition, type of oil	paraffinic mineral oil
Colour space	yellow
Texture	homogeneous
Service temperature, lower limit	-15 °C
Service temperature, upper limit	100 °C
NSF H1 registration number	137536
NLGI grade, DIN 51818	2
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 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 90 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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