

# Klüberfood NH1 CHT 6-220

Synthetic special lubricating oil for chain applications in the food- and pharmaceutical industry



## Benefits for your application

- ISO 21469 certified - supports the compliance with the hygienic requirements in your production plant. You will find further information on ISO Standard 21469 on our website [www.klueber.com](http://www.klueber.com).
- NSF H1-registered supporting process reliability
- Improved wear protection resulting in extended chain life
- Cleaner chains resulting from low residue formation when compared with traditional high temperature ester based chain oils
- Lower oil consumption in wet applications compared with water soluble polyglycols e. g. in-line oven baking tray washers

## Description

Klüberfood NH1 CHT 6-220 is a special synthetic high-temperature oil on a polyglycol base developed for the lubrication of chains operating in baking ovens. Its formulation, incorporating a special additive package, enables significant friction reduction and good protection against wear and fretting corrosion particularly in the highly stressed pin / bush areas.

Klüberfood NH1 CHT 6-220 has a good viscosity-temperature behaviour resulting in lowest oil losses and good wear protection when permanently exposed to high temperature influences.

Klüberfood NH1 CHT 6-220 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 Klüberfood NH1 CHT 6-220 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

Klüberfood NH1 CHT 6-220 may be applied via suitable chain lubrication system. Compatibility of the lubricant with the materials of the reservoir should be checked.

To attain the highest performance in baking ovens, please do not hesitate to consult your local Klüber representative.

Mixing of Klüberfood NH1 CHT 6-220 oil with other incompatible or non-food-grade lubricants should be avoided.

For object / chain temperatures up to approx. 160 °C resulting e.g. from oven temperatures up to 300 °C under certain operating conditions. We recommend sufficient air removal under such conditions.

## Initial lubrication

For best wear protection during the crucial running-in phase we recommend initial lubrication of the chain with Klüberfood NH1 CHT 6-220.

## 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	Klüberfood NH1 CHT 6-220
Canister 19 l	+
Drum 208 l	+



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Product data	Klüberfood NH1 CHT 6-220
Article number	002131
NSF-H1 registration	139 201
Colour space	yellow
Density, DIN 51757, 20 °C	approx. 1 g/cm <sup>3</sup>
ISO viscosity grade, DIN ISO 3448	220
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 220 mm <sup>2</sup> /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 36 mm <sup>2</sup> /s
Viscosity index, DIN ISO 2909	>= 200
Pour point, DIN ISO 3016	<= -33 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 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 80 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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