

## Klüberfood® NH1 CHT 6-220

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

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### Benefits for your application

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- 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
  - NSF H1 registered supporting product integrity in food and pharmaceutical plants
  - Lower oil consumption in wet applications compared with water soluble polyglycols e. g. in-line oven baking tray washers
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### 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.

### 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 from oven temperatures of approx. 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

### Application notes

This lubricant is certified as H1, which means that it has been designed and registered for incidental, technically unavoidable food contact. Specific test results referring to pharmaceutical applications are not available for this product (e.g. biocompatibility). Therefore, before using the lubricant adequate risk analyses have to be performed and, if necessary, suitable measures be taken by the manufacturer and user of pharmaceutical installations in order to exclude the risk of health hazards and personal injuries.

### Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

### Pack sizes

19 l canister  
208 l drum

### Material Safety Data Sheets

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



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Product data	Klüberfood NH1 CHT 6-220
Colour	yellowish
ISO VG, DIN 51 519	220
Density at 20 °C [g/cm <sup>3</sup> ], approx.	1.00
Pour point, DIN ISO 3016, [°C]	≤ -33
Viscosity index, DIN ISO 2909,	≥ 200
Kinematic viscosity of the base oil, DIN 51562 pt.01, Ubbelohde	
at 40°C, [mm <sup>2</sup> /s], approx.	220
at 100°C, [mm <sup>2</sup> /s], approx.	36

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

### Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

[www.klueber.com](http://www.klueber.com)

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