

Klüberfood® NH1 CH 2-220

High-temperature chain oil for the food processing industry

Benefits for your application

- Improved wear protection resulting in extended chain life
 - Low evaporation compared with other ester oils commonly used in high temperature chain application in the food industry delivering reduction in oil consumption and life cycle costs
 - NSF H1 registered supporting process reliability
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Description

Klüberfood NH1 CH 2-220 oil is a synthetic high-temperature chain oil ensuring reliable lubrication even at high temperatures. Owing to a special additive package this oil offers excellent wear protection. It shows low evaporation losses at high temperature.

The low evaporation losses and high oxidation stability allow optimized relubrication intervals and quantities. Please contact our technical sales staff for further information and support where required.

Furthermore the product has been designed in the light of the requirements of ISO 21469 / DIN V 10517.

Application

Klüberfood NH1 CH 2-220 oil has been designed for lubrication of all drive, control and transport chains subject to high temperatures and loads.

It is particularly suitable for use in bakery and other high temperature chain applications in the food industry. ISO 21469 makes reference to use of lubricants for incidental contact with the food product and its packaging. Klüberfood NH1 CH 2-220 supports legislation compliance due to the NSF H1 status and use for areas with incidental food contact.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

20 l canister
200 l drum

Application notes

Klüberfood NH1 CH 2-220 oil can be applied by drip-feed, automatic lubrication systems or brush.

In view of the many different paint systems and testing criteria, paint compatibility tests should be performed by the user prior to series application.

In the case of contact with elastomers and plastics their resistance to the Klüberfood NH1 CH 2-220 oil should be checked.

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber.



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Product data	Klüberfood NH1 CH 2-220
Composition, oil type	ester oil
Colour	yellow
Service temperature range* [°C], approx.	0 – 250
Density, DIN 51757 at 20 °C, [g/cm ³], approx.	0.95
Kinematic viscosity, DIN 51562 part 01, Ubbelohde, at 40 °C, [mm ² /s], approx. at 100 °C, [mm ² /s], approx.	200-240 17
Viscosity index, DIN ISO 2909	≥ 70
NSF-H1 registration**, registration no.	139419

* 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.

** This lubricant is registered as H1, which means that it has been designed for incidental, technically unavoidable food contact. Experience shows that it can be used for equivalent applications in the cosmetic and pharmaceutical industry under the conditions described in the product information leaflet. Specific test results as e.g. biocompatibility, which could be an additional requirement for applications in the pharmaceutical industry, are not available for this product. Therefore, before using the lubricant adequate risk analyses should be performed and, if necessary, suitable measures be taken by the manufacturer and user of installations in order to exclude the risk of health hazards and personal injuries.

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.

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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.



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