

# Klüberfood NH1 C 8-80

Semi-synthetic oil for chains in high humid process areas for the food-processing industry



## Benefits for your application

- Protection of chains against residue formation, e.g. pasta dryer applications
- Good oil stability in highly humid environments to support optimum chain life
- NSF H1 supporting process reliability
- 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

## Description

Klüberfood NH1 C 8-80 is a semi-synthetic chain oil developed for the lubrication of chains operating in high humidity for conveyor and drive chains. 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 C 8-80 has good chemical stability for acidic process environments like in pasta dryer applications (lactic acid) where other oils may contribute to residue build-up.

Klüberfood NH1 C 8-80 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 C 8-80 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Mixing of Klüberfood NH1 C 8-80 oil with other incompatible or non-food-grade lubricants should be avoided!

## Application notes

- The oils can be applied by means of brush, oil feeder or automatic lubrication systems.
- When applied in automatic lubrication systems please observe the maximum viscosity specified by the machine manufacturer.

## 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.

## Application

Klüberfood NH1 C 8-80 may be applied via a suitable chain lubrication system.

| Pack sizes    | Klüberfood NH1 C 8-80 |
|---------------|-----------------------|
| Canister 20 l | +                     |
| Drum 200 l    | +                     |

| Product data              | Klüberfood NH1 C 8-80          |
|---------------------------|--------------------------------|
| Article number            | 002145                         |
| NSF-H1 registration       | 142 053                        |
| Lower service temperature | -30 °C / -22 °F                |
| Upper service temperature | 120 °C / 248 °F                |
| Colour space              | yellow                         |
| Density, DIN 51757, 20 °C | approx. 0.89 g/cm <sup>3</sup> |



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| Product data                                                                                                                 | Klüberfood NH1 C 8-80         |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C                                                          | approx. 80 mm <sup>2</sup> /s |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C                                                         | approx. 10 mm <sup>2</sup> /s |
| Viscosity index, DIN ISO 2909                                                                                                | >= 90                         |
| 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 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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