

Klüberfood NH1 4-220 N Spray

Synthetic special lubricating oil for the food and pharmaceutical industries



Your benefits at a glance

- Wide application range with the multi-purpose fully synthetic oil including applications such as chains and slides
- Optimum penetration and wear protection resulting from the medium base oil viscosity
- NSF H1 registered supporting process reliability

Your requirements - our solution

Klüberfood NH1 4-220 N is a lubricating oil based on synthetic hydrocarbons for the food-processing and pharmaceutical industries. This synthetic lubricating oil protects against corrosion and displays good anti-wear properties.

Klüberfood NH1 4-220 N 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 4-220 N can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfood NH1 4-220 N Spray is used in the food-processing and pharmaceutical industries for all friction points where incidental contact with the food product cannot be excluded.

Suitable for the lubrication of spindles, joints and chains.

Klüberfood NH1 4-220 N Spray protects special steel components.

Please do not spray in enclosed spaces, for example electrical cabinets.

Application notes

Klüberfood NH1 4-220 N Spray is miscible with mineral oil and synthetic hydrocarbons, however we recommend not mixing it with conventional lubricants in order to retain its food-grade status.

Protect product against direct sunlight and temperatures above 50°C.

Material safety data sheets

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

| Pack sizes | Klüberfood NH1 4-220 N Spray |
|--------------------|------------------------------|
| Aerosol can 400 ml | + |

| Characteristics | Klüberfood NH1 4-220 N Spray |
|----------------------------------|---------------------------------------|
| Article number | 081299 |
| Composition, type of oil | ester oil , synthetic hydrocarbon oil |
| Colour space | yellow |
| Service temperature, lower limit | -30 °C |
| Service temperature, upper limit | 120 °C |
| NSF H1 registration number | 138157 |

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| Characteristics | Klüberfood NH1 4-220 N Spray |
|--|--------------------------------|
| ISO viscosity grade, DIN ISO 3448, ISO VG | 220 |
| Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C | approx. 26 mm ² /s |
| Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C | approx. 220 mm ² /s |
| Viscosity index, DIN ISO 2909 | ≥ 140 |
| 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 90 years.

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