

Klüberfluid NH1 1-002

Organic solvent with NSF H1 and K1 registration



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
- Higher process stability in manufacture of aluminium packages for the food and pharmaceutical industries
- Can be mixed e.g. with PARALIQ P 68 or PARALIQ 91 at various mixing ratios for individualised performance

Description

Klüberfluid NH1 1-002 is an organic solvent that is registered as an NSF H1 and K1 product.

Klüberfluid NH1 1-002 has universal use as a solvent with NSF H1 registration and can also offer particular benefits when used in combination with other products with NSF H1 or 3H registration. In such applications, Klüberfluid NH1 1-002 ensures higher stability of production processes and less risk for the operator.

Outstanding characteristics of this product are its high flash point – unusual for an organic solvent – as well as the stability of mixtures of Klüberfluid NH1 1-002 and PARALIQ P 68 or PARALIQ 91.

Klüberfluid NH1 1-002 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. Klüberfluid NH1 1-002 is also registered as a surface cleaner / degreasing agent according to NSF K1. The use of Klüberfluid NH1 1-002 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberfluid NH1 1-002 may be used for a wide range of applications, particularly those requiring products that are registered as NSF H1 or K1.

When applied in its pure form, Klüberfluid NH1 1-002 serves as a forming fluid evaporating without leaving residues. As a solvent, it can disperse oils and greases and increase the spreadability of the lubricating film, e.g. in the manufacture of aluminium packages.

Klüberfluid NH1 1-002 has proven particularly successful in the adaptation of oils to process requirements, e.g. PARALIQ P 68 or PARALIQ P 91 used in the manufacture (e.g. deep drawing) of aluminium packages for the food or pharmaceutical industries.

Beside these applications, our NSF K1-registered product Klüberfluid NH1 1-002 can of course also be used as a surface cleaner. Oils, greases and waxes can be removed quickly and thoroughly from metal surfaces.

Application notes

Mixing ratios can be individually adjusted to suit process requirements.

No particular sequence has to be adhered to when mixing Klüberfluid NH1 1-002 with PARALIQ P 68 or PARALIQ 91.

Contamination risks can be reduced by cleaning the surface to be greased with Klüberfluid NH1 1-002 prior to applying the lubricant.

When applied by spray, an exhaustion device is mandatory in order to avoid the inhalation (see also SDS point 2)

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	Klüberfluid NH1 1-002
Canister 20 l	+
Drum 200 l	+



Klüberfluid NH1 1-002

Organic solvent with NSF H1 and K1 registration

Product data	Klüberfluid NH1 1-002
Article number	037049
NSF-H1, K1 registration number	139 165
Chemical composition, solvent	synthetic isoparaffin
Colour space	colourless
Appearance	clear
Odour	typical odour
Density, DIN 51757, 20 °C	approx. 0.79 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 25 °C	approx. 2.5 mm ² /s
Flash point	>= 75 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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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