PARALIQ P 12, P 40, P 40 Spray

Lubricating oils for the food-processing industry

Benefits for your application

- **Medically pure oils**
- **Without taste or smell**
- **In accordance with food regulations**
- **NSF H1 registered**

Description

PARALIQ P 12, P 40, P 40 Spray are medically pure special oils which are neutral in odour and taste. They are registered as NSF H1 and comply with FDA 21 CFR Sec. 178.3570. Furthermore the products have been designed in the light of the requirements of the ISO 21469 / DIN V 10517.

Application

PARALIQ P 12, P 40, P 40 Spray can be used for machines in the food-processing and pharmaceutical industries requiring medically pure oils, e.g. spindles, joints, chains, gearwheels, plain bearings, pistons, guides and tubular tracks.

"Please do not spray in enclosed space for example electrical cabinets". The oils can also be used for corrosion protection.

Application notes

a. The oils can be applied by means of brush, oil feeder or automatic lubrication systems.
b. When applied in automatic lubrication systems please observe the maximum viscosity specified by the machine manufacturer.
c. Do not spray on a naked flame or any incandescent material and keep away from sources of ignition.

Minimum shelf life

The minimum shelf life is approx. 60 months for PARALIQ P 12 and P 40 and 24 months for PARALIQ P 40 Spray if the product is stored in its unopened original container in a dry, frost-free place.
Do not expose to direct sunlight and temperatures above 50 °C!

Pack sizes

PARALIQ P 12 and P 40:
20 l canister

PARALIQ P 40 Spray:

Original pack and minimum order:
12 x 250 ml aerosol cans.

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 Lubrication.

Product information

PARALIQ P 12, P 40, P 40 Spray

Lubricating oils for the food-processing industry

Product data	PARALIQ P 12	PARALIQ P 40
Base oil	paraffin mineral oils	paraffin mineral oils
Service temperature range*, [°C], approx.	-10 to 60	-10 to 60
Colour	colourless	colourless
Density, DIN 51757 at 20 °C, [g/cm³] , approx.	0.86	0.88
Kinematic viscosity, DIN 51 562 pt. 01, Ubbelohde, 40 °C, [mm²/s], approx.	14-19	70
Kinematic viscosity, DIN 51 562 pt. 01, Ubbelohde, 100 °C, [mm²/s], approx.	3.7	7.7
ISO viscosity grade, DIN 51519, ISO VG	-	68
PARALIQ P 40 Spray	The technical data of the spray agent correspond to PARALIQ P 40. Propellant: propane-butane	
NSF-H1 registration**, registration no	056374	056379

* 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.

www.klueber.com

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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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