

PARALIQ 91 Spray

Synthetic lubricating oil for use in the food and pharmaceutical industries



Your benefits at a glance

- Neutral in taste and odour
- NSF H1 and NSF 3H registered supporting process reliability

Your requirements - our solution

PARALIQ 91 Spray is a food-grade lubricating oil based on a synthetic ester oil which has been developed as release agent for tins, moulds, cutting boards and other solid surfaces in contact with foodstuffs. PARALIQ 91 is neutral in odour and taste.

PARALIQ 91 Spray 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 PARALIQ 91 Spray can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

PARALIQ 91 Spray is also registered as NSF 3H. Being compliant with FDA CFR 21 § 178.3910 (a), the product can be used as a surface lubricant for the production of metal articles, e.g. for food packaging.

Application

PARALIQ 91 Spray is used as release agent for baking tins and moulds in the food-processing industry.

The lubricant can also be used as high-performance needle and sinker oil in textile machines as well as for deep-drawing or bending of packages for the pharmaceutical and food-processing industries.

This special oil is tried-and-tested as release agent for moulds in blister machines used for the deep-drawing of film (bottom film).

MOSH-MOAH Hint

The chromatographic measurement of MOSH can also detect saturated hydrocarbons of form other sources than mineral oil so it may be possible for chromatographic MOSH peaks to be detected in some Klüber Lubrication H1 products.

Application notes

Before applying PARALIQ 91 Spray all lubrication points should be cleaned to ensure maximum hygiene conditions.

Do not spray on a naked flame or any incandescent material and keep away from sources of ignition. Please see product label for more information.

The minimum shelf life of PARALIQ 91 Spray is approx. 36 months. Please protect the spray from 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

Aerosol can 400 ml

PARALIQ 91 Spray

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Hint

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.

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Characteristics	PARALIQ 91 Spray
Article number	081042
Composition, type of oil	ester oil
Mineral Oils associated with MOSH (Mineral Oil Saturated Hydrocarbons) / MOAH (Mineral Oil Aromatic Hydrocarbons), (Information based on recipe. The presence of impurities, cannot be ruled out.)	Not intentionally added
Colour space	yellow
NSF H1, 3H registration number	139384
Density, DIN 51757, 20°C	approx. 0.95 g/cm ³
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 3.6 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 14 mm ² /s
Viscosity index, DIN ISO 2909	≥ 120
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 95 years.

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