

PARALIQ GA 3400

Fluid gear grease for the food-processing and pharmaceutical industries

Benefits for your application

- Fluid gear grease for an easy pumpability in central lubrication systems*
 - Reduced maintenance needs due to the good corrosion and wear protection
 - NSF H1 registered supporting process reliability
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Description

PARALIQ GA 3400 is based on a paraffinic mineral oil and an aluminium complex soap. This lubricant is NSF H1-registered and therefore complies with FDA 21 CFR § 178.3570.

The use of PARALIQ GA 3400 is a contributor towards the supporting of food safety. This needs to be considered not in isolation but in line with other appropriate actions which have by law to be fulfilled by a food manufacturing plant to allow for food to be manufactured safely.

Application

PARALIQ GA 3400 has been designed for use in enclosed gears in the food-processing and pharmaceutical industries. Due to the good corrosion and wear protection as well as soft consistency, it is preferably used for the dip-feed lubrication of gear drives and worm gears as well as for chains and gearwheels.

Application notes

PARALIQ GA 3400 is applied by brush, spatula, grease gun or centralised lubricating system*. Before applying PARALIQ GA 3400, all lubrication points should be thoroughly cleaned to ensure maximum hygiene conditions exist, mandatory for food-safe H1 lubrication.

If the production process does not allow cleaning, we recommend the existing grease be replaced by purging the system during re-lubrication.

Please do not hesitate to contact us in respect of grease miscibility, re-lubrication procedures etc.

Minimum shelf life

The minimum shelf life is approximately 12 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

1 kg can
25 kg bucket

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.

* The product can normally be applied by means of centralised lubricating systems. Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed with the system manufacturer for each individual application. We will be pleased to provide assistance in this matter.



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Technical data	PARALIQ GA 3400
Article number	096019
Chemical composition, oil type	paraffinic mineral oil
Chemical composition, thickener	aluminium complex soap
Service temperature range, [°C]**	- 45 to 110
Colour	light yellow
Texture	homogeneous
Worked penetration at 25 °C, DIN ISO 2137, [0.1 mm]****	420 - 450
Water resistance, DIN 51807 part 01, [3h/40 °C]	0
Corrosion protection, DIN 51802, (SKF-EMCOR), corrosion degree	≤ 1
Drop point, DIN ISO 2176	≥ 180
NSF H1 registration***, registration number	137942

** Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, shear 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 cosmetics 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.

**** A characteristic of this product is the quick increase of the worked penetration. It becomes very soft within a short time (approx. 6 months) – in such a case it is no longer within the worked penetration range indicated.

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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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