

PARALIQ® GTE 703

Synthetic lubricating grease for valves & fittings
with EPDM seals



Description

PARALIQ GTE 703 is a special lubricating grease based on silicone oil and PTFE.

The product complies with the German food regulations and meets the requirements set forth in the "Guidelines of sec. 21 CFR 178.3570 of FDA regulations". It is a USDA H1-registered product.

PARALIQ GTE 703 is also registered according to NSF 51 and NSF 61.

PARALIQ GTE 703 is resistant to hot and cold water, disinfectants, cleaning agents and steam.

When applied properly, it does not impair the formation of froth or the taste of beer.

The German testing laboratory for beverage dispensing taps in Gräfelfing, Germany, confirmed that PARALIQ GTE 703 meets all requirements for a sealing grease in dispensing units.

Application

PARALIQ GTE 703 is a special grease suitable for beer taps, barrel filling installations and valves.

It can be used for the lubrication of seals in the beverage industry whenever a H1 food-grade lubricating grease compatible with EPDM is required.

Application notes

PARALIQ GTE 703 can be applied by spatula, grease gun or directly from the tube.

Compatibility with materials

According to our current knowledge PARALIQ GTE 703 is compatible with EPDM, NBR and FPM.

Owing to the many different elastomer and plastic compositions their compatibility has to be checked at the elastomer manufacturer prior to series applications.

Minimum shelf life

The minimum shelf life is approx. 36 months when stored in the closed original container in a dry place.

PARALIQ® GTE 703

- USDA H 1
- Neutral towards EPDM
- Free of mineral oil
- Neutral towards beer froth
- Resistant to many disinfectants and cleaning agents
- Resistant to hot and cold water
- Steam resistant

Pack sizes

25 x 60	g	tubes
750	g	cans
600	g	cartridges
25	kg	buckets

Product data

Colour	white
Texture	homogeneous
Density, at 20°C, g/cm ³	approx. 1.31
Worked penetration at 25 °C, DIN ISO 2137, 0.1 mm	220-250
Apparent viscosity, viscosity grade**	S
Service temperature range, °C *	approx. -50 to 150

* 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.

** Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease S = heavy lubricating grease; ES = extra heavy lubricating grease

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Safety Data Sheet

<p>1.1 Product name: PARALIQ GTE 703 Code-No.: 022 148 28.08.2001</p>	<p>9. Physical and chemical properties Form: paste Colour: white Odour: none Drop point: > 250 °C, DIN ISO 2176 Flash point: > 300 °C (base oil) Ignition temperature: not applicable Lower explosion limit: not applicable Upper explosion limit: not applicable Vapour pressure-first: not applicable Density: approx. 1.31 g/cm³, 20 °C Water solubility: insoluble pH value: not applicable Kinematic viscosity: not applicable Further information: none</p>
<p>1.2 Klüber Lubrication München KG Geisenhausenerstraße 7 D-81379 München Tel. ++49 - 89 78 76 - 0 telephone exchange Fax: ++49 - 89 78 76 - 333</p> <p>Emergency telephone no.: ++49 - 89 7876 - 0</p>	<p>10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: > 300 °C traces of fluorinated products Additional information: None</p>
<p>2. Composition / information on ingredients Chemical characterization (preparation): Silicone oil, PTFE</p>	<p>11. Toxicological information The toxicological data has been taken from products of similar composition Acute toxicity: LD₅₀/oral/rat = > 2 g/kg (literature data) Chronic toxicity: None Human experience: Health injuries are not known or expected under normal use</p>
<p>3. Hazards identification No particular hazards known</p>	<p>12. Ecological information Information on elimination (persistence and degradability): Product is insoluble in water. May be separated out mechanically in purification plants Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use Ecotoxic effects: Aquatic toxicity is unlikely due to low solubility Additional information: Should not be released into the environment</p>
<p>4. First aid measures After inhalation: Not applicable After contact with skin: Wash off with soap and plenty of water After contact with eyes: Rinse with plenty of water After ingestion: Do not induce vomiting. Obtain medical attention Advice to doctor: Treat symptomatically</p>	<p>13. Advice on Disposal Code of waste: 120 112, Wastes from shaping and surface treatment of metals and plastics; wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filling); spent waxes and fats Disposal: The code of waste has to correspond to the Council Directive 75/442/EEC and be specific as far as the related sector and process are concerned. Can be incinerated when in compliance with local, state and federal regulations. Contains halogens Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities</p>
<p>5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO₂) Unsuitable extinguishing media: High volume water jet Special Hazards: In case of fire the following can be released: Carbon monoxide, hydrocarbons, traces of fluorinated products Special protective equipment for firefighters: Standard procedure for chemical fires Additional information: Water mist may be used to cool closed containers. In the event of fire and/or explosion do not breathe fumes</p>	<p>14. Transport information GGVS / GGVE: not applicable ADN / ADNR: not applicable IMDG-Code: not applicable ICAO / IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations</p>
<p>6. Accidental release measures Personal precautions: Not required Environmental precautions: Do not flush into surface water or sanitary sewer system Methods for cleaning up / taking up: Use mechanical handling equipment. Dispose of absorbed material in accordance with the regulations Additional information: None</p>	<p>15. Regulatory information Labelling according to EU-guidelines: The product does not require a hazard warning label in accordance with EC-directives/German regulations on dangerous substances National regulations</p>
<p>7. Handling and storage Advice on safe handling: No special handling advice required Advice on protection against fire and explosion: No special precautions required Requirements on storage rooms and vessels: Store at room temperature in the original container Incompatible materials: Incompatible with oxidizing agents. Further information on storage conditions: None</p>	<p>16. Other information USDA H 1-approval Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 7876 - 564</p>
<p>8. Exposure controls / personal protection Additional advice on system design: Not applicable Ingredients and specific control parameters: None Respiratory protection: No special protective equipment required Hand protection: No special protective equipment required Eye protection: No special protective equipment required Body protection: No special protective equipment required Other protection measures: No special protective equipment required General protection and hygiene measures: Clean skin thoroughly after work; apply skin cream. Keep away from tobacco products</p>	

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.



Klüber Lubrication München KG, a member of the Freudenberg group