

# GRAFLOSCON® A-G 1 ULTRA

## Priming lubricant



### Description

GRAFLOSCON A-G 1 ULTRA is an easy-to-spread adhesive lubricant with a mineral base oil. It has a high content of solid lubricant particles (fine graphite) and contains Al complex soap.

GRAFLOSCON A-G 1 ULTRA is suitable for high pressures, has anticorrosion properties and is free from bitumen, solvents, heavy metals and chlorine.

### Application

GRAFLOSCON A-G 1 ULTRA was developed as a priming lubricant for large open girth gear and pinion drives. It also serves as a contrast lubricant to check the load-carrying pattern.

### Application notes

GRAFLOSCON A-G 1 ULTRA is applied by brush or spatula. Surface protection is best if the surfaces to be lubricated are cleaned before applying the lubricant by brush.

GRAFLOSCON A-G 1 ULTRA cannot be applied through common central-ized systems or spraying equipment; it is, however, possible to apply it with a manual lever-type grease gun.

### Storage

24 months at room temperature; protect from direct sunlight.

### Pack sizes

5 kg drum  
25 kg drum

### GRAFLOSCON A-G 1 ULTRA

- Priming and contrast lubricant
- Free from heavy metals, solvents, and chlorine
- Ready-to-use product
- High load-carrying capacity and good adhesiveness, thus optimum protection of tooth flanks
- Lubricant film effective for a long time
- Good corrosion protection

### Product data

Colour, appearance	black
Structure	soft
Density, DIN 51 757 at 20 °C	approx. 1.07 g/cm <sup>3</sup>
Drop point, DIN ISO 2176	> 220 °C
Consistency class, DIN 51 818	NLGI 1
Solid lubricant content	approx. 25 % by wt.
Base oil viscosity	corresponds to ISO-VG 460
VKA welding force, DIN 51 350, Pt 4	≥ 4 200 N
Water resistance, DIN 51 807 Pt 1	0 - 40
Lower application limit	approx. -15 °C
Application through spraying equipment	not possible
Functional lubricant film	up to approx. -30 °C
Thermal stability of the lubricating film, depending on relubrication	up to approx. 200 °C

# GRAFLOSCON® A-G 1 ULTRA

## Safety Data Sheet

<b>1.1 Product name: GRAFLOSCON A-G 1 ULTRA</b> <b>Code-No. : 039 062</b>	<table> <tr><td>Drop point</td><td>&gt; 220 °C</td></tr> <tr><td>Flash point (base oil)</td><td>&gt; 250 °C</td></tr> <tr><td>Flammability</td><td>not applicable</td></tr> <tr><td>Ignition temperature</td><td>not applicable</td></tr> <tr><td>Autoflammability</td><td>not applicable</td></tr> <tr><td>Lower explosion limit</td><td>not applicable</td></tr> <tr><td>Upper explosion limit</td><td>not applicable</td></tr> <tr><td>Vapour pressure – first</td><td>not applicable</td></tr> <tr><td>Density (20 °C)</td><td>≈ 1.07 g/cm<sup>3</sup></td></tr> <tr><td>Water solubility</td><td>insoluble</td></tr> <tr><td>pH value</td><td>not applicable</td></tr> <tr><td>Kinematic viscosity</td><td>not applicable</td></tr> <tr><td>Further information</td><td>None</td></tr> </table>	Drop point	> 220 °C	Flash point (base oil)	> 250 °C	Flammability	not applicable	Ignition temperature	not applicable	Autoflammability	not applicable	Lower explosion limit	not applicable	Upper explosion limit	not applicable	Vapour pressure – first	not applicable	Density (20 °C)	≈ 1.07 g/cm <sup>3</sup>	Water solubility	insoluble	pH value	not applicable	Kinematic viscosity	not applicable	Further information	None
Drop point	> 220 °C																										
Flash point (base oil)	> 250 °C																										
Flammability	not applicable																										
Ignition temperature	not applicable																										
Autoflammability	not applicable																										
Lower explosion limit	not applicable																										
Upper explosion limit	not applicable																										
Vapour pressure – first	not applicable																										
Density (20 °C)	≈ 1.07 g/cm <sup>3</sup>																										
Water solubility	insoluble																										
pH value	not applicable																										
Kinematic viscosity	not applicable																										
Further information	None																										
Klüber Lubrication München KG, Geisenhausenerstr. 7 D-81379 Munich; Tel. (089) 7876-0, Fax (089) 7876-333 <b>Emergency no.: (089) 7876-0</b>	<b>10. Stability and reactivity</b>  Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use. Additional information: None																										
<b>2. Composition/information on ingredients</b>  Chemical characterization: Mineral oil, Al complex soap, graphite Additional information: No hazardous ingredients	<b>11. Toxicological information</b>  The toxicological data have been taken from products of similar composition. Acute toxicity: LD <sub>50</sub> oral/rat = > 2g/kg (literature data) Chronic toxicity: None Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis.																										
<b>3. Hazards identification</b>  No particular hazards known.	<b>12. Ecological information</b>  Information on elimination: Product may be separated out mechanically in purification plants. Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use. Ecotoxic effects: The product has not been tested. Aquatic toxicity is unlikely due to low solubility. Additional information: Should not be released into the environment.																										
<b>4. First aid measures</b>  Contact with skin: Wash off with soap and plenty of water. Contact with eyes: Rinse with plenty of water. Ingestion: Do not induce vomiting. Obtain medical attention. Advice to doctor: Treat symptomatically.	<b>13. Advice on disposal</b>  Can be incinerated when in compliance with local, state and federal regulations. Dispose of contaminated packaging and recommended cleaning: Offer rinsed packaging material to local recycling facilities.																										
<b>5. Fire-fighting measures</b>  Suitable extinguishing media: Water spray, foam, dry powder, CO <sub>2</sub> Unsuitable extinguishing media: High volume water jet Special hazards: In case of fire can be released: CO, hydrocarbons Special protecting equipment: Standard procedure for chemical fires. Additional information: Do not breathe fumes. Cool closed containers with water.	<b>14. Transport information</b>  GGVS / GGVE: not applicable      ADN / ADNR: not applicable IMDG / GGVsee: not applicable      ICAO / IATA: not applicable Further information: Not classified as dangerous in the meaning of transport regulations.																										
<b>6. Accidental release measures</b>  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 acc. with the regulations. Additional information: None	<b>15. Regulatory information</b>  Labelling: The product does not require a hazard warning label.																										
<b>7. Handling and storage</b>  Safe handling: No special handling advice required. Protection against fire and explosion: No special precautions required. Requirements on storage rooms and vessels: — Incompatible materials: Oxidizing agents; do not store together with food. Further information: Store at room temperature in the original container.	<b>16. Other information</b>  None																										
<b>8. Exposure controls / personal protection</b>  Additional advice on system design: Not applicable Ingredients and specific control parameters: None Personal protective equipment Respiratory/hand/eye/body protection: No special protective equipment required. General protection and hygiene measures: Avoid prolonged and/or repeated contact with skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.  <b>9. Physical and chemical properties</b>  <table> <tr><td>Form</td><td>paste</td></tr> <tr><td>Colour</td><td>black</td></tr> <tr><td>Odour</td><td>characteristic</td></tr> </table>	Form	paste	Colour	black	Odour	characteristic																					
Form	paste																										
Colour	black																										
Odour	characteristic																										

The data in this brochure 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 without, however, constituting an assurance of properties for specific cases. We recommend contacting our Technical Consulting Staff for information regarding specific applications. If required and possible we will be pleased to provide a sample for testing.



Klüber Lubrication, a member of the Freudenberg Group