

GRAFLOSCON® C-SG 2000 ULTRA

Operational lubricant for open drives



Description:

GRAFLOSCON C-SG 2000 ULTRA is a sprayable adhesive lubricant with a mineral base oil. It contains aluminium complex soap and solid lubricant particles of fine graphite. It is resistant to high pressure and contains antiwear additives, adhesion improvers and corrosion inhibitors. In addition, it is free from bitumen, solvents, heavy metals and chlorine.

Application:

GRAFLOSCON C-SG 2000 ULTRA is designed for spray lubrication of open pinion gears exposed to extremely high tooth flank loads on rotary kilns, tube mills, and line blenders which are used in the cement, lime, gypsum, mining, and chemical industries.

GRAFLOSCON C-SG 2000 ULTRA is also suitable for drives exposed to high oscillations.

It lubricates and protects all other open gears, drives subject to high thermal loads (spur and bevel gears) as well as slide and guide rails, large chains, wire ropes and similar devices. GRAFLOSCON C-SG 2000 ULTRA is especially suitable for application under hot climatic conditions and in heated spray systems.

Application notes:

GRAFLOSCON C-SG 2000 ULTRA is applied to the gear mainly through automatic spray systems. Smaller drives are also lubricated by brush or with the **Klübermatic LB** manual spray gun.

The amount of lubricant applied depends on the individual operating conditions and is listed in the corresponding consumption chart.

Minimum shelf life:

The minimum shelf life is approx. 24 months if the product is stored in the original closed container in a dry place.

Pack sizes:

25 kg pail
180 kg drum
1000 kg container

GRAFLOSCON C-SG 2000 ULTRA

- Operational lubricant for open gears
- Free from heavy metals, solvents and chlorine
- Ready-to-use
- Easy application through spraying systems
- Excellent tooth flank protection in case of extremely high loads and vibrations
- Especially suitable for application under hot climatic conditions
- Lubricating film effective for a long period of time

Product data:

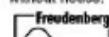
Colour	black
Texture	soft
Density, DIN 51 757 at 20 °C, g/cm ³ , approx.	0.98
Drop point, DIN ISO 2176, °C	> 190
Consistency class, DIN 51 818, NLGI	0
Solid lubricant content, 10% by wt., approx.	10
Base oil viscosity at 40 °C, mm ² /s ± 10%	2000
Water resistance, DIN 51 807, Pt 1, 30 h / 40 °C	0 – 40
FZG special test A/2.76/50	
Scuffing load stage	> 12
Work-related loss in weight, mg/kWh	< 0.2
Application through automatic lubrication systems, °C, approx.	15 to 120
Functional lubricant film, °C, up to approx.	– 20
Thermal stability of the lubricant film, depending on relubrication, °C, up to approx.	250

GRAFLOSCON® C-SG 2000 ULTRA

Safety Data Sheet

<p>1.1 Product name: GRAFLOSCON C-SG 2000 ULTRA Code-No.: 039 078 13.02.2001</p>	<p>9. Physical and chemical properties Form: paste Colour: black Odour: characteristic Drop point: > 190 °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. 0.98 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 Emergency telephone no.: Geisenhausenerstraße 7 ++49 - 89 7876 - 0 D-81379 München Tel. ++49 - 89 78 76 - 0 telephone exchange Fax: ++49 - 89 78 76 - 333</p>	<p>10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use Additional information: None</p>
<p>2. Composition / information on ingredients Chemical characterization (preparation): Mineral oil, synthetic hydrocarbon oil, aluminium complex soap, graphite</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: Prolonged skin contact may cause skin irritation and/or dermatitis</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 Disposal: 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</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 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 / ADN: 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. Do not store together with food Further information on storage conditions: None</p>	<p>16. Other information 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: Avoid prolonged and/or repeated contact with skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream</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