

GRAFLOSCON® B-SG 00 ULTRA

Running-in lubricant for open drives



Description

GRAFLOSCON B-SG 00 ULTRA is a sprayable running-in lubricant with a mineral base oil. It contains aluminium stearate as a thickener and solid lubricant particles of fine graphite. It is free from bitumen, heavy metals, chlorine and solvents, and allows to subject the friction components to well-defined wear.

Application

GRAFLOSCON B-SG 00 ULTRA was especially developed for specific running-in of open gears on rotary kilns, tube mills, and line blenders used in the cement, lime, gypsum, mining, and chemical industries.

GRAFLOSCON B-SG 00 ULTRA reduces surface roughness and improves tooth flank quality which makes it also suitable for corrective lubrication if tooth flanks are damaged.

Application notes

GRAFLOSCON B-SG 00 ULTRA is usually applied continuously through automatic spray systems, by brush or the **Klübermatic LB** manual spray equipment.

The lubricant quantities to be applied depend on the individual operating conditions and are indicated in the corresponding consumption chart.

Minimum shelf life

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

Pack sizes

25 kg bucket
180 kg drum
1000 kg container

GRAFLOSCON B-SG 00 ULTRA

- running-in and corrective lubricant
- free from heavy metals, solvents, and chlorine
- ready-to-use
- easy application through spraying systems

Product data

Color, appearance	black
Texture	homogenous, very soft to fluid
Density, DIN 51 757 at 20 °C, g/ml	approx. 1.00
Drop point, DIN ISO 2176	> 90
Consistency class, DIN 51 818	NLGI 00
Solid lubricant content	approx. 12 % by wt
Base oil viscosity	corresponds to ISO-VG 460
VKA welding force, DIN 51 350 Pt 4	≥ 7 000 N
Water resistance, DIN 51 807 Pt 1	0 – 40
FZG special test A/2.76/50	Scuffing load stage > 12, work-related loss in weight approx. 1.2 mg/kWh
Application through automatic spraying systems	from approx. -15 °C to 90 °C
Functional lubricant film, minimum temperature	approx. -30 °C
Thermal load capacity of the lubricant film, depending on relubrication, maximum temperature	approx. 200 °C

GRAFLOSCON® B-SG 00 Ultra

Safety Data Sheet

1.1 Product name: GRAFLOSCON B-SG 00 Ultra Code-No.: 039 070 13.5.1998	9. Physical and chemical properties Form viscous Colour black Odour characteristic Drop point > 90 °C, DIN ISO 2176 Flash point > 300 °C (base oil) Flammability not applicable °C Ignition temperature not applicable °C Autoflammability not applicable Lower explosion limit not applicable Upper explosion limit not applicable Vapour pressure – first not applicable Density approx. 1,0 g/cm ³ , 20 °C Water solubility insoluble, g/l pH value not applicable Kinematic viscosity not applicable Further information None
1.2 Klüber Lubrication München KG Emergency telephone no.: Geisenhausenerstr. 7 ++49 - 89 - 7876 - 0 D-81379 München, Tel. ++49 - 89 - 7876 - 0 telephone exchange Fax ++49 - 89 - 7876 - 333	
2. Composition / information on ingredients Chemical characterization (preparation): Mineral oil, aluminium soap, graphite Additional information: No hazardous ingredients	10. Stability and reactivity Conditions to avoid: None Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use Additional information: None
3. Hazards identification No particular hazards known	
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	11. Toxicological information The toxicological data has been taken from products of similar composition Acute toxicity: LD ₅₀ /oral/rat = > 2g/kg (literature data) Chronic toxicity: None Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis
5. Fire-fighting measures Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO ₂) 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	
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	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: The product has not been tested. Aquatic toxicity is unlikely due to low solubility Additional information: Should not be released into the environment
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: No special conditions required Incompatible materials: Incompatible with oxidizing agents. Do not store together with food Further information on storage condition: Store at room temperature in the original container	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
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	14. Transport information GGVS / GGVE: not applicable ADN / ADNOR: not applicable IMDG-Code: not applicable ICAO / IATA-DGR: not applicable Further information: Not classified as dangerous in the meaning of transport regulations
	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
	16. Other information None Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 - 7876 - 564

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid if the material is used in combination with any other materials or if it is processed, unless specified in the text.



Klüber Lubrication, a member of the Freudenberg Group