

# GRAFLOSCON® CA 901 ULTRA-Spray

## Adhesive lubricant containing graphite



### Description

GRAFLOSCON CA 901 ULTRA Spray is a solvent-containing mineral hydrocarbon base adhesive lubricant with a high content of solid particles applied by spray can.

It is very adhesive, can carry extreme loads and has good anti-corrosion properties. It does not contain bitumen, heavy metals or chlorine. The propellant is CFC-free.

### Application

GRAFLOSCON CA 901 ULTRA Spray is suitable for the lubrication of open gear drives, spur and bevel gears, toothed racks, slideways, guide rails, fixing cams, adjusting spindles, cam disks, etc. It is also suitable for the external lubrication of chains and wire ropes, but not for friction pulley ropes.

GRAFLOSCON CA 901 ULTRA Spray is especially suitable for applications requiring excellent adhesion.

### Application notes

Application by spray can.  
Shake well before use.

### 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.

GRAFLOSCON CA 901 ULTRA Spray must not be exposed to direct heat (sunlight, radiant heaters, open fire, etc.)

### Pack size

12 x 400 ml can

### GRAFLOSCON CA 901 ULTRA-Spray

- Free from bitumen, heavy metals and chlorine
- Extremely adhesive
- Can carry high loads
- Easy application
- Free from CFCs

### Product data (solvent-free product)

Colour	black
Density, DIN 51 757 at 20 °C, g/cm <sup>3</sup>	approx. 1,05
Drop point, DIN ISO 2176, °C	> 180
Worked penetration, DIN ISO 2137, at 40 °C; 0.1 mm	330 ± 20
Four-ball tester, welding force, DIN 51 350, Pt 4, N	≥ 4800
Functional lubricant film, minimum temperature	approx. -20 °C
Thermal stability of the lubricant film, depending on relubrication	up to approx. 180 °C

# GRAFLOSCON® CA 901 ULTRA-Spray

## Safety Data Sheet

<b>1.1 Product name: GRAFLOSCON CA 901 ULTRA-Spray</b> <b>Code-No.: 081 229</b> <b>13.5.1998</b>	<table> <tr><td>Odour</td><td>characteristic</td></tr> <tr><td>Boiling point</td><td>not applicable °C</td></tr> <tr><td>Flash point</td><td>not applicable °C</td></tr> <tr><td>Flammability</td><td>Extremely flammable °C</td></tr> <tr><td>Ignition temperature</td><td>not applicable °C</td></tr> <tr><td>Autoflammability</td><td>no data available</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>approx. 4 bar, 20 °C</td></tr> <tr><td>Vapour pressure – second</td><td>approx. 7 bar, 50 °C, inner pressure</td></tr> <tr><td>Density</td><td>approx. 0.87 g/cm³, 20 °C, agent</td></tr> <tr><td>Water solubility</td><td>insoluble, g/l</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>	Odour	characteristic	Boiling point	not applicable °C	Flash point	not applicable °C	Flammability	Extremely flammable °C	Ignition temperature	not applicable °C	Autoflammability	no data available	Lower explosion limit	not applicable	Upper explosion limit	not applicable	Vapour pressure – first	approx. 4 bar, 20 °C	Vapour pressure – second	approx. 7 bar, 50 °C, inner pressure	Density	approx. 0.87 g/cm³, 20 °C, agent	Water solubility	insoluble, g/l	pH value	not applicable	Kinematic viscosity	not applicable	Further information	None
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<b>1.2</b> Klüber Lubrication München KG Geisenhausenerstr. 7 D-81379 München, Tel. ++49 - 89 - 7876 - 0 telephone exchange Fax ++49 - 89 - 7876 - 333	<b>10. Stability and reactivity</b> Conditions to avoid: Protect from sun Materials to avoid: Strong oxidizing agents Hazardous decomposition products: None under normal use Additional information: Fire or intense heat may cause violent rupture of packages																														
<b>2. Composition / information on ingredients</b> Chemical characterization (preparation): Mineral oil, aluminium complex soap, graphite, solvent: hydrocarbons, propellant: propane-butane Hazardous ingredients CAS-No.      Components      Value      Symbols      R-phrases 74-98-6      propane-           F+      12 106-97-8      butane      ~ 50 %      F+      12	<b>11. Toxicological information</b> The toxicological data has 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> F+ – Extremely flammable: No further particular hazards known	<b>12. Ecological information</b> 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. This information refers to the agent																														
<b>4. First aid measures</b> After inhalation: Move to fresh air. If symptoms persist, call a physician 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	<b>13. Advice on disposal</b> Disposal: Empty spray can as far as possible. Can be incinerated when in compliance with local, state and federal regulations Dispose of contaminated packaging and recommended cleaning: Dispose of as unused product. Offer empty spray cans to an established disposal company																														
<b>5. Fire-fighting measures</b> Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide (CO <sub>2</sub> ) 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: In the event of fire and/or explosion do not breathe fumes. Water mist may be used to cool closed containers	<b>14. Transport information</b> GGVS / GGVE: Cl. 2, no. 5F      Name: Aerosol ADN/ADNR: no data available IMDG-Code: Class 2      UN number: 1950      UN packaging group: – EMS: 2-13      MFAG: 4.2 No Marine-pollutant      Name: Aerosols ICAO/IATA-DGR: Class 2.1      UN/ID number: 1950 ICAO-packaging group: –      Name: Aerosols, flammable, n.o.s Further Information: None																														
<b>6. Accidental release measures</b> Personal precautions: Ensure adequate ventilation. Remove all sources of ignition 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	<b>15. Regulatory information</b> Labelling according to EU-guidelines: The product is classified and labelled in accordance with EC-directives/German regulations on dangerous substances Hazards: F+ – Extremely flammable Special labelling on certain preparations: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material National regulations																														
<b>7. Handling and storage</b> Advice on safe handling: Use only in well-ventilated areas Advice on protection against fire and explosion: Keep away from sources of ignition – No smoking. Vapours may form explosive mixture with air Requirements on storage rooms and vessels: Observe your national regulations relating to the storage of containers under pressure Incompatible materials: Incompatible with oxidizing agents. Do not store together with food Further information on storage conditions: Keep in a well-ventilated place. Keep away from heat	<b>16. Other information</b> None Issue-department of Safety Data Sheet: Chemical Documentation, Tel.: ++49 - 89 - 7876 - 564																														
<b>8. Exposure controls / personal protection</b> Additional advice on system design: Not applicable TLV value of the propellant: 1000 ml/m³ (Germany) 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. Clean skin thoroughly after work; apply skin cream. Do not breath vapours or spray mist																															
<b>9. Physical and chemical properties</b> Form      aerosol Colour      black																															

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