

Safety data sheet according to directive 2001/58 EEC

Date: 04/1999

Name: **GLK-Fluid 249**

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Updating: 13/04/05

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**1. Commercial product name and company identification:**

Trade name: **GLK-Fluid 249**

Company: LUBRICANT CONSULT GMBH  
Gutenbergstraße 13

D-63477 Maintal 2 (Germany) Tel.: +49 6109 / 7650-0 FAX: +49 6109 / 7650-51

**2. Composition / Information on ingredients:**

Combination of synthetic ester oils, lithium soap and synthetic additives.

**3. Hazards identification:**

The product when properly handled is not dangerous for the human health.

Harmful effects are expected only in case of misuse especially in case of thermal decomposition.

**4. First aid measures:**

Skin contact: Wash with water and soap. Remove contaminated clothing.

Eye contact: Flush with plenty of water for at least 15 minutes. See a physician\* if the eye irritation remains.

Ingestion: See a physician\* if necessary. Do not induce vomiting.

Inhalation: After inhaling of decomposition vapours: Remove the patient to fresh air.

\*Show the physician this safety data sheet.

**5. Fire fighting measures:**

Suitable extinguishing media: dry chemicals, powder, foams, carbon dioxide

Do not use water !

In the case of fire, the vapour can involve toxic compounds (carbon monoxide).

Use a respirator to protect from vapours.

**6. Accidental release measures:**

Absorb small amounts on inert material. Collect the released product and the used absorbent materials in suitable containers for disposal (see sect. 13). Hold back large amounts of liquids by embankment (mound of earth, sand or other inert materials). Use pumps or call the fire-brigade, if necessary. Avoid the uncontrolled discharge in sewage systems, in surface and underground waters.

**7. Handling and store measures:**

Store in cool and dry areas. Protect from water and wetting.

Keeping quality in original drums for the storage conditions mentioned above: minimum 5 years.

If the lubricant is exposed to high temperatures, good ventilation in the working areas is commendable.

Do not eat, drink and smoke in working areas.

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**8. Exposure control / Personal protection:**

Hand protection: Not necessary in normal use. When often handling the product wear rubber gloves.

Respiratory protection: Not necessary in normal use. Avoid breathing the vapours above the decomposition temperature.

Eye protection: Not necessary in normal use. Wear safety glasses, if necessary.

**9. Physical and chemical properties:**

Physical state: flowing

Colour: yellowish / opak

Odour: weak

Dropping point: not determined

Boiling point: >240°C (> 464°F)

Density: 0,973 g/cm<sup>3</sup> at 20°C (68°F) DIN 51 757

Vapour pressure: < 0,1 mbar at 20°C (68°F)

Viscosity: 58 mm<sup>2</sup>/s at 40°C (100°F) DIN EN ISO 3104

Solubility in water: insoluble

pH-value: not determined

Flash point: > 270°C (> 520°F) DIN EN ISO 2592

Ignition temperature: > 350°C (> 660°F)

Explosion limits: unknown

**10. Stability and reactivity:**

Thermal decomposition: > 250°C (> 480°F)

Hazardous decomposition products: No decomposition under normal storage and handling conditions.

In the case of misuse at temperatures above the decomposition temperature harmful vapours may arise from the product.

Materials to avoid contact: strong oxidising agents (compressed or liquid oxygen), very strong acids or very strong alkalis.

**11. Toxicological information:**

Experimental toxicological data.

oral: LD<sub>50</sub> > 3000 mg/kg (rat)

epidermal: LD<sub>50</sub> > 3000 mg/kg (rabbit)

GLK-Fluid 249 when properly handled is not dangerous for human health.

GLK-Fluid 249 has no known effects of chronic toxicity or carcino-genesis (Based on data from components).

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**12. Ecotoxicological information:**

Use the product according to the good working practices avoiding polluting the environment.  
Water Pollution Class WGK 1: Slightly water endangering (Classification according to German VwVwS from May, 1999): Avoid the contamination of soil and water.

**13. Disposal considerations:**

Destroy the waste product by incineration according to local laws and regulations.  
LAGA- Waste code number (Germany):  
542 02 for waste lubricants.  
542 09 for solid materials contaminated with grease or oil.  
EWC- Waste code number (European Community):  
12 01 12 for used waxes and greases  
15 02 99 D1 for used absorbent and filter materials, cleaning rags and protection clothes contaminated with grease or oil.  
17 02 99 D1 for wood, glass and plastics containing grease or oil (for example: residuals of lubricants in plastic tubes).

**14. Transport information:**

The product is not dangerous for transportation  
Road transportation: (ADR) not classified  
Rail transportation: (RID) not classified  
Sea transportation: IMDG / IMO not classified  
Air transportation: ICAO / IATA not classified  
U.N.-number: not assigned  
Packaging group: not assigned

**15. Regulatory information:**

No regulation and classification according to EEC directives necessary.  
No labelling with hazard symbols.  
Aquatic toxicity: 1 (= German water hazard classification)

**16. Further Information:**

The information given in this safety data sheet is for safety purpose only. It is given in good faith and based on the best knowledge and experience of the company at the date of issuing. The company is not responsible for damages caused by the use of the product in applications for which it was not intended or for conditions of use outside its control. All data refer to the product in the delivering condition.  
Former versions of this safety data sheet are no longer valid.