

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Granit Mehrzweckgetriebeöl GL4 80W

Revision date: 07.04.2017

Product code: 210EP80-GL4

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Granit Mehrzweckgetriebeöl GL4 80W

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

Transmission oil.

Product categories [PC]: PC 24 Lubricants, greases, release products.

##### 1.3. Details of the supplier of the safety data sheet

Company name:	Wilhelm Fricke SE	
Street:	Zum Kreuzkamp 7	
Place:	D-27404 Heeslingen	
Telephone:	+49 (0) 4281 712 712	Telefax: +49 (0) 4281 712 700
e-mail:	info@fricke.de	

**1.4. Emergency telephone number:** +49 (0) 4281 712 712 This number is serviced during office hours. (Mo-Fr 7.30-19.00; Sa 8.00 - 12.00).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

###### Additional advice on labelling

Identification is not obligatory.

##### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
Do not handle until all safety precautions have been read and understood.  
Discharge into the environment must be avoided.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

###### Chemical characterization

Contains: Mineral oil, Additive.

###### Further Information

The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

First aider: Pay attention to self-protection!  
Move victim out of danger zone.  
Remove contaminated, saturated clothing immediately.  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

###### After inhalation

Avoid oil mist  
Move victim to fresh air. Put victim at rest and keep warm.  
Get medical advice/attention if you feel unwell.

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#### After contact with skin

After contact with skin, wash immediately with: Water and soap.  
Change contaminated clothing.  
In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting. Seek medical advice immediately.  
No administration in cases of unconsciousness or cramps.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.  
In all cases of doubt, or when symptoms persist, seek medical advice.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Foam, Water spray jet.

#### **Unsuitable extinguishing media**

High power water jet.

### **5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Phosphorus oxides, Sulphur oxides, Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide.

### **5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.  
In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Move undamaged containers from immediate hazard area if it can be done safely.  
Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.  
Respiratory protection necessary at: aerosol or mist generation. (See section 8.)  
Avoid contact with skin and eyes. Wear personal protection equipment.  
In case of leakage, eliminate all ignition sources.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

### **6.3. Methods and material for containment and cleaning up**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Remove from the water surface (e.g. skimming, sucking).  
High slip hazard because of leaking or spilled product.  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Personal protection equipment: refer to chapter 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe vapour/aerosol. Provide adequate ventilation.  
Avoid contact with skin and eyes. Take off immediately all contaminated clothing.  
For industrial purposes only.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.  
When hot, product develops flammable vapours. Avoid oil mist  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Fire class B (DIN EN 2).

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Only use containers specifically approved for the substance/product.  
Keep container tightly closed and in a well-ventilated place.  
Always close containers tightly after the removal of product.  
Recommended storage temperature: 5 - 30 °C Do not store at temperatures over: 40 °C

**Advice on storage compatibility**

Do not store together with: Oxidising agent,  
Keep away from food, drink and animal feedingstuffs.

**Further information on storage conditions**

Protect against: Heat, moisture. Protect against direct sunlight.

**7.3. Specific end use(s)**

Transmission oil.  
Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

Air limit values: Mineral oil mist  
Limit value type (country of origin): US-OSHA PEL-Value: 5 mg/m<sup>3</sup>  
Limit value type (country of origin): ACGIH STEL-Value: 10 mg/m<sup>3</sup>

**8.2. Exposure controls****Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace.  
Avoid contact with skin, eyes and clothes. Protect skin by using skin protective cream.  
Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work.  
After cleaning apply high-fat content skin care cream. Do not put any product-impregnated cleaning rags into your trouser pockets.

**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. (DIN EN 166)

**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 420, DIN EN 374.  
Suitable material: NBR (Nitrile rubber), FKM (fluororubber).

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Required properties: liquid-tight.  
penetration time (maximum wearing period): > 240 min.  
Thickness of glove material: 0,4 mm  
Before using check leak tightness / impermeability.

**Skin protection**

Handling larger quantities: Wear suitable protective clothing.  
Chemical resistant safety shoes.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.  
Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist generation.  
Suitable respiratory protective equipment: A2, A2/P2, ABEK Combination filter device (DIN EN 141)..

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	light yellow - yellow
Odour:	like: mineral oil.

**Test method**

pH-Value:	not applicable
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**Changes in the physical state**

Pour point:	< -18 °C	DIN ISO 3016
Flash point:	> 200 °C	DIN ISO 2592
Lower explosion limits:	approx. 0,4 vol. %	
Upper explosion limits:	approx. 5 vol. %	
Ignition temperature:	> 200 °C	
Vapour pressure: (at 20 °C)	< 0,1 hPa	
Density (at 15 °C):	approx. 0,88 - 0,89 g/cm <sup>3</sup>	DIN 51757
Water solubility:	practically insoluble	
Partition coefficient:	No data available.	
Viscosity / kinematic: (at 40 °C)	approx. 98 mm <sup>2</sup> /s	DIN 51562

**9.2. Other information**

none

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No risks worthy of mention.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.  
Do not mix with: Oxidizing agents, strong.

**10.4. Conditions to avoid**

storage stability: Do not store at temperatures over: 40 °C  
This material is combustible, but will not ignite readily.

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Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

#### **10.5. Incompatible materials**

Oxidising agent, Acid.

#### **10.6. Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapours.

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Phosphorus oxides, Sulphur oxides, Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Irritation and corrosivity**

Irritant effect on the skin: On short hand contact: Not an irritant.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Irritant effect on the eye: slightly irritant but not relevant for classification.

#### **Sensitising effects**

Respiratory or skin sensitisation: no danger of sensitization. No known symptoms to date.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

#### **STOT-repeated exposure**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

There are no data available on the mixture itself.

### **12.2. Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria).

### **12.3. Bioaccumulative potential**

No information available.

### **12.4. Mobility in soil**

State of matter: liquid at room temperature.

If product enters soil, it will be mobile and may contaminate groundwater

### **12.5. Results of PBT and vPvB assessment**

PBT: not applicable.

vPvB: not applicable.

### **12.6. Other adverse effects**

No information available.

#### **Further information**

Discharge into the environment must be avoided.

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Dispose of waste according to applicable legislation.

The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.

Consult the local waste disposal expert about waste disposal.

Observe mixture permissions according to "Altölverordnung (Waste oil directive)".

**Waste disposal number of waste from residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

**Waste disposal number of used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

**Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** not relevant

**14.2. UN proper shipping name:** not relevant

**14.3. Transport hazard class(es):** not relevant

**14.4. Packing group:** not relevant

**Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No information available.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Handling (Transport information): No special precautionary measures are necessary. See protective measures

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under point 7 and 8.

#### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

### **SECTION 15: Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **EU regulatory information**

##### **Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH).

##### **National regulatory information**

Water contaminating class (D): 2 - clearly water contaminating

##### **Additional information**

Restricted to professional users.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Observe in addition any national regulations!

#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

##### **Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14,15.

##### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*