



**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 06.08.2018

Version number 5

Revision: 12.07.2018

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

· **1.1 Product identifier**

· **Trade name:** TRW GLK 1 Brake Grease

· **Article number:** PFG110.Z, PFG110, 32932966.Z, 32932966, 32932967.Z, 32932967

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

Grease

Professional use

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

TRW Automotive Aftermarket

Stratford Road

Shirley

West Midlands

B90 4AX

United Kingdom

Tel. +44.121.506.5000

Fax +44.121.506.5001

[www.trwaftermarket.com](http://www.trwaftermarket.com)

[cst.uk@trw.com](mailto:cst.uk@trw.com)

· **Informing department:** Phone: +49 (0) 2631 / 912 - 0

· **1.4 Emergency telephone number:**

Poison Information Center Munich

Phone: +49 (0) 89 - 19 240

Information in German and English

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**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Contains N-alkylated benzotriazole. May produce an allergic reaction.

Safety data sheet available on request.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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- **vPvB:** Not applicable.
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### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Lithium soap lubricating grease
  - **Dangerous components:** Void
  - **Additional information** For the wording of the listed hazard phrases refer to section 16.
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### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **General information** Instantly remove any clothing contaminated by the product.
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact**  
Wash with water and soap.  
In case of skin irritations or sensitizing effects, consult doctor.
  - **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
  - **After swallowing**  
Rinse out mouth.  
Do not induce vomiting.  
In case of persistent symptoms consult doctor.
  - **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
  - **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.
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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
  - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
  - **5.2 Special hazards arising from the substance or mixture**  
Do not inhale smoke and combustion products.  
During incomplete combustion carbon monoxide can be formed.  
Can be released in case of fire:  
Nitrogen oxides (NOx)  
Metal oxides
  - **5.3 Advice for firefighters**
  - **Protective equipment:** Wear self-contained breathing apparatus.
  - **Additional information**  
Remove goods in stock from incendiary zone, if possible.
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Use water to keep fire exposed containers cool.

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### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Avoid contact with the product.

- **6.2 Environmental precautions:**

Clean contaminated surfaces thoroughly.

Do not allow to enter drainage system, surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Collect mechanically.

Dispose of contaminated material as waste according to section 13.

Clean the accident area carefully; suitable cleaners are:

warm water and cleaning agent

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Don't eat, drink or smoke while working.

- **Information about protection against explosions and fires:** No special measures required.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:**

Store only in the original container.

Keep container tightly closed and store upright to prevent any spill of product.

- **Information about storage in one common storage facility:**

Store away from oxidising agents.

Store away from foodstuffs.

- **Further information about storage conditions:**

Keep away from ignition sources.

Store in cool, dry conditions in well sealed containers.

Protect from direct sunlight.

- **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Avoid close or long term contact with the skin.  
Do not carry cleaning cloths impregnated with the product in trouser pockets.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**  
Not necessary if room is well-ventilated.  
Use breathing protection in case of insufficient ventilation.  
Filter P2.
- **Protection of hands:**  
Protective gloves, e.g. nitril rubber impregnated cotton gloves.  
To avoid skin problems reduce the wearing of gloves to the required minimum.
- **Material of gloves**  
Chloroprene rubber, CR  
Nitrile rubber, NBR
- **Penetration time of glove material**  
In case of a layer thickness of 0.4 mm the penetration time is longer than 480 minutes.
- **Eye protection:**



Tightly sealed safety glasses.

### SECTION 9: Physical and chemical properties

- |  |                 |
|--|-----------------|
| · <b>9.1 Information on basic physical and chemical properties</b> |                 |
| · <b>General Information</b>                                       |                 |
| · <b>Appearance:</b>   |                 |
| <b>Form:</b>   | Pasty           |
| <b>Colour:</b>   | Beige           |
| · <b>Odour:</b>  | Light           |
| · <b>Odour threshold:</b>  | Not determined. |
| · <b>pH-value:</b>   | Not applicable. |
| · <b>Change in condition</b>                                       |                 |
| <b>Melting point/freezing point:</b>                               | Not determined  |

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<b>Initial boiling point and boiling range:</b>	Not determined
· <b>Flash point:</b>	Not applicable
· <b>Inflammability (solid, gaseous)</b>	Not applicable.
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	< 0.001 hPa
· <b>Density at 20 °C</b>	0.97 g/cm <sup>3</sup>
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Insoluble
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined. Not applicable.
<b>kinematic:</b>	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Long-term skin contact may cause skin irritation and/or dermatitis.
- **Serious eye damage/irritation** Splashes can cause temporary eye irritation.

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- **Respiratory or skin sensitisation**  
Sensitive persons can possibly have allergic reactions. This is also valid below the fixed levels of exposure.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.
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### SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **12.2 Persistence and degradability** No further relevant information available.
  - **Other information:** There are no data available about the preparation.
  - **12.3 Bioaccumulative potential** No further relevant information available.
  - **12.4 Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
  - **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
  - **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
  - **12.6 Other adverse effects** No further relevant information available.
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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must be specially treated under adherence to official regulations.  
The waste code numbers mentioned are recommendations based on the probable use of the product.

· <b>European waste catalogue</b>	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 99	wastes not otherwise specified
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01 00	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)

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16 01 99	wastes not otherwise specified 16.2.2001 L 47/23 Official Journal of the European Communities EN
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- **Uncleaned packagings:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Non contaminated packagings can be used for recycling.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

· <b>14.1 UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b>
None of the ingredients is contained.

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- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**

This Material Safety Data Sheet has been drawn up in cooperation with:

DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
phone: (+49) 511 42079 - 0, reach@dekra.com.

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- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

- \* **Data compared to the previous version altered.**

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