

Document No.: S0314
Preparation date: 07/2007

Edition: 1
Page: 1 of 5

Print date: 2007-09-06

Commercial Name:
Article-No.:

Bearing Grease 117643 Spacer PMF
TF1901

1. Substance / Preparation and Company Name

- 1.1 Substance: Synthetic oil.
- 1.2 Company: Dr. Tillwich GmbH Phone: +49-7451-5386-0
Werner Stehr Fax: +49-7451-5386-70
Murber Steige 26 E-Mail: info@tillwich-stehr.com
D-72160 Horb Germany
- 1.3 Emergency Call: +49-7451-5386-20 8.00 am until 5.00 pm UTC + 1h
+49-7451-3766 5.00 pm until 8.00 am UTC + 1h

2. Composition / Components

- 2.1 Substance: Preparation:
- 2.2 CAS No.:
- 2.3 Chemical Characterization: Synthetic hydrocarbon.
Thickener: Polytetrafluorethylene, metallic soap.
- 2.4 Contains: Additives
different antioxidantes,
separate components < 1 %, no dangerous components.

Classification according to the material guideline RL 67/548/EG, preparing guideline RL 1999/45/EG, restriction guideline RL 76/769/EG and national german right ChemG, GefstoffV., TRGS, latest version.

All components are listed in the EINECS.

3. Possibilities of Risk

- 3.1 Physical and chemical dangers: Not classified as a dangerous product.
- 3.2 Health dangers: Not classified as a dangerous product.
- 3.3 Dangers for the environment: Not classified as a dangerous product.

4. Precautions for First Aid

- 4.1 Contact with Skin: After contact with skin, wash immediately with plenty of water and soap.
- 4.2 Contact with Eyes: In case of contact with eyes, rinse immediately with plenty of water.
If irritations occur seek medical advice.
- 4.3 Inhalation: Not applicable.
- 4.4 Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this Data Sheet or the label.
- 4.5 Other Information:

Document No.: S0314
Preparation date: 07/2007

Edition: 1
Page: 2 of 5

Print date: 2007-09-06

Commercial Name:
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TF1901

5. Fire Fighting Procedures

- 5.1 Suitable Extinguisher: CO₂ – foam or powder, water spray, alcohol resistant foam.
- 5.2 Unsuitable Extinguisher: Jet of water.
- 5.3 Special Dangers:
Do not empty contaminated water into drains, ground, lakes or rivers.
Remove contaminated water and soil according to local regulations.
- 5.4 Special Protection Equipment:
Wear respiratory equipment and full encapsulated suit.

6. Precautions for Uncontrolled Release

- 6.1 Personal Precautions:
Avoid contact with eyes, skin and clothing.
- 6.2 Environmental Protection:
Do not empty the product into drains, ground or water.
- 6.3 Spill Response:
Cover with inorganic absorbent material. The material must be disposed of as hazardous waste.
- 6.4 Other Information:

7. Handling and Storage

- 7.1 Handling Information:
Keep container tightly closed when not in use. When using this product do not eat, drink or smoke.
- 7.2 Storage Information:
Keep only in the original container and at room temperature.
- 7.3 Demands upon Storage Place:
Store above collecting dishes.
- 7.4 Storage with other Materials:
Avoid contact with oxidizing agent. Keep away from inflammable materials and fluids.
- 7.5 Other Information:

8. Precautionary Information

- 8.1 Technical Precautions:
No special precautions necessary.
- 8.2 Limiting Values:
8.2.1 AGW (threshold limit value): not determined
8.2.2 BGW (biological threshold limit value): not determined
- 8.3 Personal Precautions:
8.3.1 Breath Protection
Not necessary at room temperature.

Document No.: S0314
Preparation date: 07/2007

Edition: 1
Page: 3 of 5

Print date: 2007-09-06

Commercial Name:
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TF1901

8.3.2 Skin Protection

After work wash hands with water and soap.

Preventive skin protection required - Use protective hand lotion or wear suitable gloves from oil resistant material. Avoid longer and intensive skin contact.

Suitable gloves:

Material: Nitrile rubber
Category: III
Thickness: 0,4 mm
Permeation time: Level 4 (> 120 min.)

The data were determined on laboratory conditions. The conditions in practical application can deviate from these, the data can be only a guideline assistance with the selection of the suitable gloves.

Contaminated gloves should be changed as fast as possible.

8.3.3 Eye Protection

Wear eye / face protection, if the product may be splashed.

8.3.4 Body Protection

Wear suitable protective clothing.

8.4 Other Information:

Protective measures for chemicals must be noted.

9. Physical and Chemical Data

9.1	Condition: pasty	Colour: white	Odour: odourless
9.2	Change of Condition:		
	9.2.1 Boiling Point:	-	
	9.2.2 Pourpoint (base oil):	< - 60° C (< - 76° F)	
9.3	Flash Point (base oil):	> 230° C (> 446° F)	ISO 2592
9.4	Ignition Point (base oil):	no data available	DIN 51794
9.5	Explosion Limits:		
	lower: not applicable	upper: not applicable	
9.6	Vapour Pressure at 20°C / 68° F:	not applicable	
9.7	Density at 20°C / 68° F (base oil):	0,84 g/cm ³	DIN 51757
9.8	Solubility in H ₂ O at 20°C / 68° F:	insolubly	
9.9	pH value:	not applicable	
9.10	Viscosity at 20°C / 68° F (base oil):	220 mm ² /s	DIN 51562
9.11	Other Information:		

10. Stability and Reactivity Data

10.1 Thermal Decomposition:

Above 200° C (392° F) decomposition products may be set free.

Document No.: S0314
Preparation date: 07/2007

Edition: 1
Page: 4 of 5

Print date: 2007-09-06

Commercial Name: **Bearing Grease 117643 Spacer PMF**
Article-No.: TF1901

- 10.2 Conditions to Avoid:
Keep away from solar radiation, heat and sources of ignition.
- 10.3 Materials to Avoid:
Reactions with oxidizing agent are possible.
- 10.4 Hazardous Decomposition Products:
If thermal decomposition occurs products like carbon monoxid, carbon dioxide, hydrogen fluoride, perfluorobutylene and other toxic fluorinated products may be created.
- 10.5 Dangerous Reactions:
If the product is stored according to these instructions, no dangerous reactions are to be expected.
- 10.6 Other Information:
The inhalation of thermal decomposition products of the thickener (e.g. when smoking contaminated tobacco) can cause polymer fever with flu-like symptoms. The symptoms arise generally not before two to three hours after the inhalation (smoke) and fade away normally within 36 to 48 hours again. No continuous or cumulative effect was observed.

11. Health Information

- 11.1 Oral Toxicity (LD₅₀): > 2000 mg/kg (rat).
- 11.2 Skin Irritation: No skin irritation known.
- 11.3 Skin Sensitization: No skin sensitization known.
- 11.4 Eye Irritation: No eye irritation known.
- 11.5 Inhalation: Not applicable.
- 11.6 Ingestion: No data available.
- 11.7 Other Information: The evaluation is based on the results of the individual components.

12. Environmental Information

- 12.1 Acute Toxicity to Fish: No data available.
- 12.2 Biodegradability: No data available.
- 12.3 Water Endangering Grade: WGK 1 (water endanger)
- 12.4 Other Information:
Endangering of drinking water if the product contaminates soil or water.

13. Waste Disposal Information

- 13.1 Product:
EWC - Code: (European waste category list): 07 06 07*.
waste resulting from production of greases.
- 13.2 Package:
EWC - Code: (European waste category list): 15 01 10*.
Contaminated package

Document No.: S0314
Preparation date: 07/2007

Edition: 1
Page: 5 of 5

Print date: 2007-09-06

Commercial Name: **Bearing Grease 117643 Spacer PMF**
Article-No.: TF1901

13.4 Other Information:

14. Transport Information

14.1 General Information:

U.N. No.:

Packing group:

14.2 Regulations for Transport by Truck or Train: ADR / GGVSE

Classification: not classified

14.3 International Regulations for Transport by Ship: IMDG / IMO

Classification: not classified

14.4 National Regulations for Transport by Ship: GGVSee

Classification: not classified

14.5 International Regulations for Transport by Plane: ICAO und IATA-DGR

Classification: not classified

14.6 Other Information:

This product is not a dangerous good.

15. Regulations

15.1 Specification according to directions of the EU:

This product is a preparation and does not need to be classified as a dangerous product.

R-sentences: none

S-sentences: none

15.2 National German Regulations:

Regulations for inflammable products (TRBF): not applicable

Regulations for hazardous products: (TRGS): not applicable

Technical Instructions for Air Quality Control (TA-Luft): not applicable

Pregnancy Class:

16. Additional Information

The information on this Data Sheet represents our best knowledge. This information is for security reasons only and does not contain any characteristic properties guaranteed for a special application. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other products or processes is the responsibility of the user.