

Document No.: S0320
Preparation date: 09/2007

Edition: 1
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Print date: 2007-09-06

Commercial Name:
Artikel No.:

Plastic Grease K 4563/600 25 % PTFE
TF2920

1.1 Substance: Synthetic grease

1.2 Company: Dr. Tillwich GmbH Phone: +49-7451-5386-0
Werner Stehr
Murber Steige 26 Fax: +49-7451-5386-70
D-72160 Horb E-Mail: info@tillwich-stehr.com
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: Frigopolysiloxane-alcohol with additives.
Thickener: Polytetrafluorethylene.

2.4 Contains: Different additives,
separate components < 1 %, no dangerous components.

Classification according to the RL 67/548 EG, RL 1999/45 EG and the statutory order on dangerous substances (GefStoffV.), 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: No special precautions necessary.

4.5 Other Information:

5. Fire Fighting Procedures

5.1 Suitable Extinguisher: CO₂ – foam or powder, water spray, alcohol resitant foam.

5.2 Unsuitable Extinguisher: Jet of water.

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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.

6. Precautions for Uncontrolled Release

6.1 Personal Precautions:
No special precautions necessary.

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: not determinated (threshold limit value)
8.2.2 BGW: not determinated (biological threshold limit value)

8.3 Personal Precautions:
8.3.1 Breath Protection
Not necessary at room temperature.

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8.3.2 Skin Protection
Not necessary.

8.3.3 Eye Protection
Wear eye / face protection, if 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: light red | Odour: odourless |
| 9.2 | Change of Condition: | | |
| | 9.2.1 Boiling Point (base oil): | no data available | |
| | 9.2.2 Pourpoint (base oil): | - 55° C (- 67° F) | |
| 9.3 | Flash Point (base oil): | > 300° C (> 572° F) | ISO 2592 |
| 9.4 | Ignition Point: | about 450° C (842° F) | 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): | > 1,0 g/cm ³ | DIN 51757 |
| 9.8 | Solubility in H ₂ O at 20°C (68° F): | insoluble | |
| 9.9 | pH value: | not applicable | |
| 9.10 | Viscosity of base oil:
at 20°C (68° F) | 600 mm ² /s | DIN 51562 |
| 9.11 | Other Information: | | |

10. Stability and Reactivity Data

- 10.1 Thermal Decomposition:
Above 210° C (410° F) decomposition products may be set free.
- 10.2 Conditions to Avoid:
Keep away from heat and sources of ignition.
- 10.3 Materials to Avoid:
Reactions with oxidizing agent are possible.
- 10.4 Hazardous Decomposition Products:
Above 150° C (302° F) small amounts of products like formaldehyde may be created.
If thermal decomposition occurs products like hydrogen fluoride and perfluorisobutylene may be create.

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10.5 Dangerous Reactions:

If the product is stored according to this 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 Symtome arises generally not before two to three hours after the inhalation (smoke) and fades away normally within 36 to 48 hours again. No continuous or cumulative effect was observed.

11. Health Information

- 11.1 Oral Toxicity (LD₅₀): > 5000 mg/kg (rat).
11.2 Skin Irritation: No irritation known.
11.3 Skin Sensitization: No skin sensitization known.
11.4 Eye Irritation: Lightly irritant.
11.5 Inhalation: Not applicable.
11.6 Ingestion: No data available.
11.7 Other Information:
This product is not carcinogenic, not mutagenic and not teratogen.
Opinion of the single components.

12. Environmental Information

- 12.1 Acute Toxicity to Fish: No data available.
12.2 Biodegradability: No decomposition.
12.3 Water Endangering Grade: WGK 1 (weak endanger)
12.4 Other Information:
Endangering of drinking water if the product contaminates soil or water. On water surface no oil-layer will be formed. Adsorbtion to Suspension particle. Bioaccumulation unlikely.

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
13.4 Other Information:

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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.

S-sentences: none
R-sentences: none

15.2 National German Regulations:

(German regulation for
inflammable liquids)
Regulations for inflammable
products (TRBF): not applicable
Regulations for hazardous
products: (TRGS): not applicable
Technical instructions on 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.