

Document No.: S0343
Preparation date: 03/2009Edition: 1
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Print date: 2009-06-03

Commercial Name: **Plastic Oils K 4563 / Viscosity**
/ 100 / 300 / 600 / 1000 / 2400
Article-No.: TS3010, TS 3101, TS3104, TS3200, TS3402**1. Substance / Preparation and Company Name**

- 1.1 Commercial Name: Plastic Oils K 4563
- 1.2 Usage: Industrial Use.
- 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. Possibilities of Risk

- 2.1 Physical and chemical dangers: Not classified as a dangerous product.
- 2.2 Health dangers: Not classified as a dangerous product.
- 2.3 Dangers for the environment: Not classified as a dangerous product.

3. Composition / Components3.1 Substance: Preparation:

3.2 Chemical Characterization:

Components	Percentage	CAS-Nr.	Einecs	R-sentences	Symbols
Frigopolysiloxane	> 98	-	-	-	-
Friction Modifier	< 1	Trade Secret			
Additives	< 1	-	-	-	-
Coloring materials	< 0,1	-	-	-	-

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

4. Precautions for First Aid

- 4.1 Contact with Skin: No special precautions necessary. After work wash hands with 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: -

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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 Endangering:
Do not empty contaminated water into drains, ground and 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 and waters.
- 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:
7.2 No special precautions necessary.
- 7.2 Storage:
Keep only in the original container and at room temperature.
- 7.3 Determined Use:
No special references.

8. Precautionary Information

- 8.1 Limiting Values:
 - 8.2.1 AWG (threshold limit value): no data available
 - 8.2.2 BWG (biological threshold limit value): no data available
- 8.2 Technical Precautions for the avoidance of the exposition on the job:
No special precautions necessary.
- 8.3 Delimitation and monitoring of the exposition:
 - 8.3.1 Breath Protection
Not necessary at room temperature.
 - 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.

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- 10.3 Materials to Avoid:
Avoid contact with oxidizing agent.
- 10.4 Hazardous Decomposition Products:
Above 150° C (302° F) small amounts of products like formaldehyde may be created. Above 180° C (356° F) small amounts of benzene may be created.
- 10.5 Dangerous Chemical Reactions:
If the product is stored according to this instructions, no dangerous reactions are to be expected.
- 10.6 Other Information: -

11. Toxicological Data

Effects after eye contact:
Lightly irritation in rabbit eyes (Test Report).

Effects after skin contact:
Not irritant (Rabbit, Test Report)

Effects after inhalation:
Not applicable.

Effects when swallowing:
No data available.

Acute Oral Toxicity:	LD50 > 5000 mg/kg Rat (Literature).
Acute Dermal Toxicity:	LC50 > 2008 mg/kg Rat (Limittest).
Acute Inhalational Toxicity:	Not applicable.
Sensitization:	Not sensitizing on the skin of guinea pigs. (Magnusson-Kligmann, Test Report)
Embryo Toxicity:	Not embryotoxic.
Mutagenic:	Not mutagenic. (Bacterial Reverse Mutation Test, Test Report).
Carcinogenic:	Not carcinogenic.

The toxicological evaluation of this preparation was accomplished with inspection results by similar products.

12. Environmental Information

- 12.1 Ecological toxicity:
- | | |
|-------------------------|--------------------|
| Acute Fish Toxicity: | No data available. |
| Acute Daphnia Toxicity: | No data available. |
| Alga Toxicity: | No data available. |
| Bacteria Toxicity: | No data available. |

12.2 Mobility:

Mobility in Ground and Water:
Insolubly in water. On water surface thin oil-layer will be formed. Adsorption to Suspension particle.
Separation by sedimentation.

Environmental Distribution Data:
No data available.

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12.3 Persistence and Degradableness
Biologically not degradably.

12.4 Biodegradability:
Bioaccumulation unlikely.

12.5 Other harmful effects:
-

12.6 Additional ecological references:
In the case of appropriate handling and use no environmental problems are to be expected.

13. Waste Disposal Information

The allocation of the waste keys is to be accomplished branch and process specifically by the waste producer separately. The indicated waste keys are only recommendations for the disposal of the unmachined product.

13.1 Product:
EWC - Code: (European waste category list): 13 02 06*.
Synthetic machines -, transmission and lubricating oils

13.2 Package:
EWC - Code: (European waste category list): 15 01 10*.
Contaminated package

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.

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15. Regulations

15.1 Identification:

Characteristic: The product is classified and characterized according to European Union Guidelines.

Symbols: None.

R-sentences: -

S-sentences: -

15.2 National German Regulations:

References to the restriction of occupation:
Not applicable.

Regulations for inflammable products (TRBF):
Not applicable.

Regulations for hazardous products: (TRGS):
Not applicable.

Technical instructions on air quality control (TA-Luft):
Not applicable.

Water Endangerment Class:
WGK 1, water-endangering (self classification)

Special Information:
-

16. Additional Information

The information of 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.