

Document No. S0252
Preparation date: 07/2007

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Print date: 2007-07-31

Commercial Name: **K7132/300/003, K7132/995/003, K7132/10000**
Article-No.: TS1210, TS1220, TS1200

1. Substance / Preparation and Company Name

- 1.1 Substance: Synthetic oil
- 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: Fluorinated polysiloxane oil with additives.
- 2.4 Contains: Different additives, 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:

5. Fire Fighting Procedures

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

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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 and skin.
- 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. Keep away from heat and hot surfaces.
- 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 determinated
8.2.2 BGW (biological threshold limit value): not determinated
- 8.3 Personal Precautions:
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.
- Suitable gloves:
Material: Nitrile rubber
Category: III
Thickness: 0,4 mm
Permeation time: Level 6 (> 480 min.)

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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 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: liquid Colour: different Odour: odourless

9.2 Change of Condition:

9.2.1 Boiling Point: no data available

9.2.2 Pourpoint ISO 3016

K 7132 / 300 / 003	- 45° C (- 49° F)
K 7132 / 995 / 003	- 35° C (- 31° F)
K 7132 / 10000	- 25° C (- 13° F)

9.3 Flash Point: > 150° C (> 302° F) ISO 2592

9.4 Ignition Point: > 300° C (> 572° 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): 1,25 g/cm³ DIN 517579.8 Solubility in H₂O at 20°C (68° F): < 0,1 g/l

9.9 pH value: not applicable

9.10 Viscosity at 20°C (68° F): DIN 51562

K 7132 / 300 / 003	300 mm ² /s
K 7132 / 995 / 003	1000 mm ² /s
K 7132 / 10000	10000 mm ² /s

9.11 Other Information:

10. Stability and Reactivity Data10.1 Thermal Decomposition:
Above 300° C (572° 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.

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- 10.4 Hazardous Decomposition Products:
If thermal decomposition occurs products like hydrogen fluoride and trifluoropropionaldehyde may be created. Above 150° C (302° F) small amounts of products like formaldehyde may be created.
- 10.5 Dangerous Reactions:
If the product is stored according to this instructions, no dangerous reactions are to be expected.
- 10.6 Other Information:

11. Health Information

- 11.1 Oral Toxicity (LD₅₀): > 2000 mg/kg (rat).
- 11.2 Skin Irritation: No irritation known.
- 11.3 Skin Sensitization: No data available.
- 11.4 Eye Irritation: Not irritant.
- 11.5 Inhalation: No data available.
- 11.6 Ingestion: No data available.
- 11.7 Other Information:
This product is not carcinogenic, not mutagenic and not teratogen.
The evaluation is based on the results of the individual components.

12. Environmental Information

- 12.1 Acute Toxicity to Fish: No fish toxicity are to be expected.
- 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 thin oil-layer will be formed. Adsorbtion to Suspension particle.

13. Waste Disposal Information

- 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:

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- 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:
- | | | |
|---------|----------------|--|
| TRBF: | not applicable | (Regulations for inflammable products) |
| TRGS | not applicable | (Regulations for hazardous products) |
| TA-Luft | not applicable | (Technical Instructions for Air Quality Control) |

16. Additional Information

Modification:
Position 3 „Possibilities of Risk“:
Data for the classification of the preparation according to RL 1999/45/EG.

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.