

Silbergleit

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue:14/05/2018

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:

Version: 3.00

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Trade name : Silbergleit

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Lubricating agent
Lubricants and additives

1.4. Supplier's details

Manufacturer/Supplier

Service & Dienstleistung Brigitte Kemmer-Przibylla
Silvanerweg 7
78476 Allensbach - Germany
T +49-7533-997121 - F +49-7533-997616
kemmer.service@t-online.de

Email competent person

sds@kft.de

Distributor

Carba Tec Pty Ltd
128 Ingleston Road
Wakerley QLD 4154 - Australia
T +61 7 3292 0361

1.5. Emergency phone number

Emergency number : National Health Service (NHS)
24 hour national number consumer
England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 4 H227

2.2. Label elements

Signal word (GHS-AU) : Warning
Hazard statements (GHS-AU) : H227 - Combustible liquid
Precautionary statements (GHS-AU) : P210 - Keep away from Sources of ignition. No smoking.
P280 - Wear protective gloves, protective clothing, Eye protection.
P370+P378 - In case of fire: Use Dry chemical, CO2, dry sand, or alcohol-resistant foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

| Name | CAS-No. | Compound type | % | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---|------------|---------------|---------|--|
| Paraffin waxes and Hydrocarbon waxes | 8002-74-2 | | 70 - 80 | Not classified |
| Kerosine (petroleum), hydrodesulfurized | 64742-81-0 | | 20 - 25 | Asp. Tox. 1, H304 |
| aluminium powder (stabilised) | 7429-90-5 | | 0.1 - 1 | Water-react. 2, H261 Pyr. Sol. 1, H250 |

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Do not apply mouth-to-mouth resuscitation. If unconscious, place in the recovery position and seek medical advice.
- First-aid measures after skin contact : After contact with skin, wash immediately and thoroughly with water and soap. Get medical advice if skin irritation persists. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Call a physician immediately. Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes.
- First-aid measures after ingestion : Do NOT induce vomiting. Seek immediate medical advice.

4.2. Symptoms caused by exposure

- Symptoms/effects : Local irritation symptoms. May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : Skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam. Water spray. Use fire fighting measures suiting the environment.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- General measures : Ensure adequate air ventilation. Spills of this product present a serious slipping hazard.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. Complete protective clothing.
- Other information : Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate air ventilation. Spills of this product present a serious slipping hazard.

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

- Do not allow into drains or water courses. Avoid sub-soil penetration.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material sand, saw dust, kieselguhr.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Keep container tightly closed. Store in dry, cool, well-ventilated area. Store locked up.
- Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

| aluminium powder (stabilised) (7429-90-5) | | |
|---|--------------------------|--|
| Australia | Local name | Aluminium (metal dust) |
| Australia | TWA (mg/m ³) | 10 mg/m ³ 5 mg/m ³ 2 mg/m ³ 5 mg/m ³ 2 mg/m ³ |

| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | | |
|--|--------------------------|---------------------|
| Australia | Local name | Paraffin wax (fume) |
| Australia | TWA (mg/m ³) | 2 mg/m ³ |

Exposure limit values for the other components

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Wash hands before break and at end of works.

8.4. Personal protective equipment

Materials for protective clothing : Use protective clothing

Hand protection : Chemically resistant protective gloves. Butyl rubber. Nitrile rubber. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Eye protection : Chemical goggles

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of vapour formation use adequate respirator. Filter A (colour code: brown).

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

| | |
|--|---|
| Physical state | : Liquid |
| Appearance | : Pasty. |
| Colour | : colourless |
| Odour | : turpentine |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point / Freezing point | : Melting point : Not applicable |
| Boiling point | : 175 °C |
| Flash point | : 67 °C (DIN 22719) |
| Auto-ignition temperature | : > 300 °C |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : Vapour pressure : 8 mbar (20 °C) |
| Relative density | : No data available |
| Density | : Density : 0.8 g/cm ³ (20 °C) |
| Solubility | : Water: Insoluble |
| Log Pow | : No data available |
| Viscosity | : No data available |
| Explosive properties | : Product is not explosive. |
| Oxidising properties | : No data available |

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| | |
|-------------------------|---------------------|
| Explosive limits | : No data available |
| Minimum ignition energy | : No data available |
| Fat solubility | : No data available |

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : No additional information available.No additional information available |
| Chemical stability | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : No additional information available. |
| Incompatible materials | : No additional information available. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

| | |
|-----------------------------|---|
| Acute toxicity (oral) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

| | |
|---|---|
| Kerosine (petroleum), hydrodesulfurized (64742-81-0) | |
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 420 method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |
| LC50 inhalation rat (Vapours - mg/l/4h) | > 5.28 mg/l/4h (OECD 403 method) |
| aluminium powder (stabilised) (7429-90-5) | |
| LD50 oral rat | > 15900 mg/kg OECD 401 |
| LC50 inhalation rat (mg/l) | > 0.88 mg/l/4h OECD 403 |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 420 method) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402 method) |
| Skin corrosion/irritation | : Not classified (Lack of data) |
| Serious eye damage/irritation | : Not classified (Lack of data) |
| Respiratory or skin sensitisation | : Not classified (Lack of data) |
| Germ cell mutagenicity | : Not classified (Lack of data) |
| Carcinogenicity | : Not classified (Lack of data) |
| Reproductive toxicity | : Not classified (Lack of data) |
| STOT-single exposure | : Not classified (Lack of data) |
| STOT-repeated exposure | : Not classified (Lack of data) |
| Aspiration hazard | : Not classified (Lack of data) |
| Silbergleit | |
| Density | 0.8 g/cm ³ (20 °C) |

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

| | |
|--------------------------|--|
| Ecology - general | : Harmful to aquatic life with long lasting effects. |
| Acute aquatic toxicity | : Not classified (Lack of data) |
| Chronic aquatic toxicity | : Not classified (Lack of data) |

| | |
|---|--|
| Kerosine (petroleum), hydrodesulfurized (64742-81-0) | |
| EC50 Daphnia 1 | 1.4 mg/l (48 h; Daphnia magna; OECD Guideline 202) |
| NOEC chronic fish | 0.48 mg/l (21 d; Daphnia magna; OECD Guideline 211) |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| LC50 fish 1 | > 100 mg/l (96h; Pimephales promelas; (OECD 203 method)) |
| EC50 Daphnia 1 | > 10000 mg/l (48h; Daphnia magna; (OECD 202 method)) |
| NOEC chronic fish | >= 1000 mg/l (28d) |
| NOEC chronic crustacea | 10 mg/l (21d) |
| Log Pow | 5.3 - 6.7 |

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12.2. Persistence and degradability

| | |
|---|--------------------------------------|
| Silbergleit | |
| Persistence and degradability | No additional information available. |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| Persistence and degradability | Inherently biodegradable. |
| Biodegradation | 31 % (28 d) |

12.3. Bioaccumulative potential

| | |
|---|--------------------------------------|
| Silbergleit | |
| Bioaccumulative potential | No additional information available. |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| Log Pow | See section 12.1 on ecotoxicology |

12.4. Mobility in soil

| | |
|---|--------------------------------------|
| Silbergleit | |
| Ecology - soil | No additional information available. |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| Log Pow | See section 12.1 on ecotoxicology |

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available.

| | |
|---|-------|
| Silbergleit | |
| Fluorinated greenhouse gases | False |
| Kerosine (petroleum), hydrosulfurized (64742-81-0) | |
| Fluorinated greenhouse gases | False |
| aluminium powder (stabilised) (7429-90-5) | |
| Fluorinated greenhouse gases | False |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| Fluorinated greenhouse gases | False |

SECTION 13: Disposal considerations

Waste treatment methods : Disposal must be done according to official regulations. Do not discharge into drains or the environment. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

| ADG | IMDG | IATA |
|---|-----------------------|----------------|
| 14.2. UN proper shipping name | | |
| Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | |
| Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| | Marine pollutant : No | |

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

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14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Listed on the AICS (Australian Inventory of Chemical Substances) : Listed on the AICS (Australian Inventory of Chemical Substances)

Other information on relevant regulations : Hazardous Chemical Information System (HCIS)

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Data sources : Information provided by the manufacturer. MSDSs of the suppliers. ECHA (European Chemicals Agency).

Department issuing data specification sheet: : KFT Chemieservice GmbH
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Abbreviations and acronyms : ATE - Acute Toxicity Estimate
RID
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
LD50 - Median lethal dose
EC50 - Median effective concentration
IATA - International Air Transport Association
LC50 - Median lethal concentration
PBT - Persistent Bioaccumulative Toxic
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
vPvB - Very Persistent and Very Bioaccumulative

Revision date : 14/05/2018

Other information : Version/s 1.00-2.00 is/are not available in this language.

Classification:

| | |
|----------------------------|--|
| Flam. Liq. 4 | H227 |
| Full text of H-statements: | |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Flam. Liq. 4 | Flammable liquids, Category 4 |
| Pyr. Sol. 1 | Pyrophoric Solids, Category 1 |
| Water-react. 2 | Substances and Mixtures which, in contact with water, emit flammable gases, Category 2 |
| H227 | Combustible liquid |
| H250 | Catches fire spontaneously if exposed to air. |
| H261 | In contact with water releases flammable gases. |
| H304 | May be fatal if swallowed and enters airways. |

KFT SDS AU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product