

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2022

Version number 1.0

Revision: 23.11.2022

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** PROFI-CAR KERAMIK-MOTOR-TREATMENT
- **Article number:** PROT867002
- **UFI:** GEJY-A58U-J00D-V8JN
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Additive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
PROFI-TECH GmbH  
Otto-Lilienthal-Straße 2  
88046 Friedrichshafen +49 7541 402860  
Deutschland
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:**  
24-hour emergency contact number out side USA/Canada: + 49 70024112112 (PRT)  
24-hour emergency contact number in side USA/Canada: +11 49 70024112112 (PRT)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|  |  |          |
|--|--|----------|
| CAS: 64742-54-7<br>EINECS: 265-157-1<br>Index number: 649-467-00-8 | Distillates (petroleum), hydrotreated heavy paraffinic | >25–≤50% |
|--|--|----------|

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|  |  |              |
|--|--|--------------|
| CAS: 64742-54-7<br>EINECS: 265-157-1<br>Index number: 649-467-00-8<br>Reg.nr.: 01-2119484627-25      | Distillates (petroleum), hydrotreated heavy paraffinic<br>⚠ Asp. Tox. 1, H304                        | ≥5–≤25%      |
| CAS: 68442-22-8<br>EINECS: 270-478-5<br>Reg.nr.: 01-2119948548-22-XXXX                               | Phosphorodithioic acid, mixed O,O-Bis (2-ethylhexyl and isobu) esters, zinc salts with oil           | 1–≤5%        |
| CAS: 1314-13-2<br>EINECS: 215-222-5<br>Index number: 030-013-00-7                                    | zinc oxide<br>⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410                                       | ≥1–<2.5%     |
| CAS: 36878-20-3<br>EINECS: 253-249-4<br>Reg.nr.: 01-2119488911-28-XXXX                               | Alkaryl amine<br>Aquatic Chronic 4, H413   | ≥0.1–≤5%     |
|  | Molybdäncompound   | 1–≤5%        |
| CAS: 74869-22-0<br>EINECS: 278-012-2<br>Index number: 649-484-00-0<br>Reg.nr.: 01-2119495601-36-XXXX | Lubricating oils   | ≥0.1–≤1%     |
| CAS: 597-82-0<br>EINECS: 209-909-9   | O,O,O-triphenyl phosphorothioate   | 0.01–≤0.1%   |
| CAS: 68649-42-3<br>EINECS: 272-028-3<br>Reg.nr.: 01-2119657973-23-XXXX                               | Zinkdialkyldithiophosphate<br>⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315   | 0.01–≤0.1%   |
| CAS: 122384-87-6   | Phenol, tetrapropylene-, sulfurized, carbonates, calcium salts, overbased<br>Aquatic Chronic 4, H413 | ≥0.001–≤0.1% |
| CAS: 445409-27-8<br>EINECS: 430-380-7<br>Reg.nr.: 01-0000017666-61-XXXX                              | Organomolybdenum amide<br>⚠ Aquatic Chronic 2, H411  | ≥0.001–≤0.1% |
| CAS: 68551-12-2  | alcohols, C12-16, ethoxylated<br>Aquatic Chronic 3, H412   | ≤0.01%       |
| CAS: 104-43-8<br>EINECS: 203-202-9   | Phenol, 4-dodecyl-<br>⚠ Repr. 1B, H360; ⚠ Eye Dam. 1, H318   | <0.001%      |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

#### · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### · DNELs

**CAS: 68442-22-8 Phosphorodithioic acid, mixed O,O-Bis (2-ethylhexyl and isobu) esters, zinc salts with oil**

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Dermal     | Long Term Systemic Effects | 11.4 mg/kg bw/day (Workers)      |
| Inhalative | Long Term Systemic Effects | 8.05 mg/m <sup>3</sup> (Workers) |

**CAS: 36878-20-3 Alkaryl amine**

|        |                            |                               |
|--------|----------------------------|-------------------------------|
| Oral   | Long Term Systemic Effects | 0.31 mg/kg bw/day (Consumers) |
| Dermal | Long Term Systemic Effects | 0.31 mg/kg bw/day (Consumers) |
|        |                            | 0.62 mg/kg bw/day (Workers)   |

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|   |                            |  |
|---|----------------------------|--|
| Inhalative  | Long Term Systemic Effects | 1.09 mg/m <sup>3</sup> (Consumers)<br>4.37 mg/m <sup>3</sup> (Workers) |
| <b>CAS: 597-82-0 O,O,O-triphenyl phosphorothioate</b> |                            |  |
| Oral  | Long Term Systemic Effects | 0.2 mg/kg bw/day (Consumers)   |
| Dermal  | Long Term Systemic Effects | 0.2 mg/kg bw/day (Consumers)<br>0.4 mg/kg bw/day (Workers)             |
| Inhalative  | Long Term Systemic Effects | 0.34 mg/m <sup>3</sup> (Consumers)<br>1.39 mg/m <sup>3</sup> (Workers) |
| <b>CAS: 68649-42-3 Zinkdialkyldithiophosphate</b>     |                            |  |
| Oral  | Long Term Systemic Effects | 0.25 mg/kg bw/day (Consumers)  |
| Dermal  | Long Term Systemic Effects | 0.29 mg/kg bw/day (Consumers)<br>0.58 mg/kg bw/day (Workers)           |
| Inhalative  | Long Term Systemic Effects | 2.11 mg/m <sup>3</sup> (Consumers)<br>8.31 mg/m <sup>3</sup> (Workers) |

**· PNECs****CAS: 36878-20-3 Alkaryl amine**

|                                     |  |
|-------------------------------------|--|
| Fresh Water                         | 0.1 mg/l (Fresh Water)                       |
| Marine Water                        | 0.01 mg/l (Marine Water)                     |
| Fresh Water Sediments               | 132,000 mg/kg (Fresh Water Sediments)        |
| Marine Water Sediments              | 13,200 mg/kg (Marine Water Sediments)        |
| Microorganismus in Sewage Treatment | 1 mg/l (Microorganismus in Sewage Treatment) |
| Soil ( Agricultural )               | 263,000 mg/kg (Soil ( Agricultural ))        |
| Sporadic Release                    | 1 mg/l (Sporadic Release)                    |

**CAS: 597-82-0 O,O,O-triphenyl phosphorothioate**

|                                     |  |
|-------------------------------------|--|
| Microorganismus in Sewage Treatment | 1 mg/l (Microorganismus in Sewage Treatment) |
| Soil ( Agricultural )               | 2.37 mg/kg (Soil ( Agricultural ))           |

**CAS: 68649-42-3 Zinkdialkyldithiophosphate**

|                        |  |
|------------------------|--|
| Fresh Water            | 4 mg/l (Fresh Water)                   |
| Marine Water           | 4.6 mg/l (Marine Water)                |
| Fresh Water Sediments  | 0.0116 mg/kg (Fresh Water Sediments)   |
| Marine Water Sediments | 0.00116 mg/kg (Marine Water Sediments) |
| Soil ( Agricultural )  | 0.00528 mg/kg (Soil ( Agricultural ))  |

**CAS: 122384-87-6 Phenol, tetrapropylene-, sulfurized, carbonates, calcium salts, overbased**

|             |                        |
|-------------|------------------------|
| Fresh Water | 0.5 mg/l (Fresh Water) |
|-------------|------------------------|

**CAS: 445409-27-8 Organomolybdenum amide**

|             |                          |
|-------------|--------------------------|
| Fresh Water | 0.047 mg/l (Fresh Water) |
|-------------|--------------------------|

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material:  $\geq 0.4$  mm

· **Penetration time of glove material** Value for the permeation: Level  $\leq 4$ h

· **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Neoprene gloves

· **Eye/face protection** Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Physical state**

Fluid

**Colour:**

Whitish

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

**Melting point/freezing point:**

-39 °C

**Boiling point or initial boiling point and boiling range**

190 °C

**Flammability**

Not applicable.

**Lower and upper explosion limit****Lower:**

Not determined.

**Upper:**

Not determined.

**Flash point:**

220 °C

**Decomposition temperature:**

Not determined.

**pH**

Mixture is non-soluble (in water).

**Viscosity:****Kinematic viscosity at 20 °C**90 mm<sup>2</sup>/s**Dynamic:**

Not determined.

**Solubility****water:**

Not miscible or difficult to mix.

**Partition coefficient n-octanol/water (log value)**

Not determined.

**Vapour pressure:**

Not determined.

**Density and/or relative density****Density at 20 °C:**0.871 g/cm<sup>3</sup>**Relative density**

Not determined.

**Vapour density**

Not determined.

**9.2 Other information****Appearance:****Form:**

Fluid

**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:**

Product is not selfigniting.

**Explosive properties:**

Product does not present an explosion hazard.

**Change in condition****Evaporation rate**

Not determined.

**Information with regard to physical hazard classes****Explosives**

Void

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|  |      |
|--|------|
| · <b>Flammable gases</b>   | Void |
| · <b>Aerosols</b>  | Void |
| · <b>Oxidising gases</b>   | Void |
| · <b>Gases under pressure</b>  | Void |
| · <b>Flammable liquids</b>   | Void |
| · <b>Flammable solids</b>  | Void |
| · <b>Self-reactive substances and mixtures</b>                                     | Void |
| · <b>Pyrophoric liquids</b>  | Void |
| · <b>Pyrophoric solids</b>   | Void |
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

#### CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

|            |          |                                  |
|------------|----------|----------------------------------|
| Oral       | LD50     | >2,000 mg/kg (rat) (OECD 401)    |
| Dermal     | LD50     | >2,000 mg/kg (rabbit) (OECD 402) |
| Inhalative | LC50/4 h | >5,000 mg/l (rat) (OECD 403)     |

#### CAS: 1314-13-2 zinc oxide

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
|------|------|--------------------|

#### CAS: 36878-20-3 Alkaryl amine

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | >5,000 mg/kg (rat)    |
| Dermal | LD50 | >2,000 mg/kg (rabbit) |

#### CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

|        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | >10,000 mg/kg (rat) |
| Dermal | LD50 | >10,000 mg/kg (rat) |

#### CAS: 68649-42-3 Zinkdialkyldithiophosphate

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 2,600 mg/kg (rat)  |
| Dermal | LD50 | >3,160 mg/kg (rat) |

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### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

LC50 96h (OECD 203) &gt;1,000 mg/l (Fish) (OECD 203)

EC50 48h (OECD 202) &gt;100 mg/l (daphnia) (OECD 202)

ErC50 72h &gt;100 mg/l (Algae) (OECD 201)

CAS: 597-82-0 O,O,O-triphenyl phosphorothioate

LC50 96h (OECD 203) &gt;100 mg/l (Fish)

EC50 48h (OECD 202) &gt;100 mg/l (daphnia)

EC50 72h (OECD 201) &gt;100 mg/l (Algae)

NOEC, 21d (OECD211) &gt;1 mg/l (daphnia)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

Remark: Harmful to fish

### Additional ecological information:

#### General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA not regulated

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA not regulated

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|   |                 |
|---|-----------------|
| · <b>14.3 Transport hazard class(es)</b>                              |                 |
| · <b>ADR, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>  | not regulated   |
| · <b>14.4 Packing group</b>   |                 |
| · <b>ADR, IMDG, IATA</b>  | not regulated   |
| · <b>14.5 Environmental hazards:</b>                                  | Not applicable. |
| · <b>14.6 Special precautions for user</b>                            | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                       | not regulated   |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

#### · **Relevant phrases**

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H360 May damage fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

#### · **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Repr. 1B: Reproductive toxicity – Category 1B
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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**Trade name: PROFI-CAR KERAMIK-MOTOR-TREATMENT***Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

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*· \* **Data compared to the previous version altered.***

GB