

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name: Profi Car Start Pilot**
- **Article number:** 61044
- **UFI:** JW1F-R5WN-P00V-QAP8
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Solvents
- **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:** Abteilung Produktsicherheit
- **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)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



| | | |
|---------------|------|------------------------------------|
| Acute Tox. 4 | H302 | Harmful if swallowed. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| STOT SE 3 | H336 | May cause drowsiness or dizziness. |

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 1)

Hazard-determining components of labelling:

diethyl ether

Naphtha (petroleum), hydrotreated light

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic 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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

| | | |
|---|--|-----------|
| CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-XXXX | isobutane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | >10–≤50% |
| CAS: 64742-49-0 EC number: 927-510-4 Index number: 649-328-00-1 Reg.nr.: 01-2119475515-33-XXXX | Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336, EUH208 | ≥25–≤50% |
| CAS: 60-29-7 EINECS: 200-467-2 Index number: 603-022-00-4 | diethyl ether ⚠ Flam. Liq. 1, H224; ⚠ Acute Tox. 4, H302; STOT SE 3, H336, EUH019, EUH066 | ≥20–≤25% |
| CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-XXXX | propane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | ≥5–≤25% |
| CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 | n-hexane ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 Specific concentration limit: STOT RE 2; H373: C ≥ 5 % | ≥0.25–≤1% |

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 2)

| | |
|---|------|
| · Regulation (EC) No 648/2004 on detergents / Labelling for contents | |
| aliphatic hydrocarbons | ≥30% |

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

4 First aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Call for a doctor immediately.

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **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.

· **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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.

7 Handling and storage

· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 60-29-7 diethyl ether

| | |
|-----|---|
| WEL | Short-term value: 620 mg/m ³ , 200 ppm |
| | Long-term value: 310 mg/m ³ , 100 ppm |

CAS: 110-54-3 n-hexane

| | |
|-----|--|
| WEL | Long-term value: 72 mg/m ³ , 20 ppm |
|-----|--|

- **DNELs**

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

| | | |
|------------|----------------------------|-----------------------------------|
| Oral | Long Term Systemic Effects | 149 mg/kg bw/day (Consumers) |
| Dermal | Long Term Systemic Effects | 149 mg/kg bw/day (Consumers) |
| | | 300 mg/kg bw/day (Workers) |
| Inhalative | Long Term Systemic Effects | 447 mg/m ³ (Consumers) |
| | | 2,085 mg/m ³ (Workers) |

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

- **Exposure controls**

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand protection**



Protective gloves

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

- **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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 4)

- **Penetration time of glove material** Value for the permeation: Level $\leq 4h$
- **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** Not required.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

- | | |
|---|------------------------------------|
| · Physical state | Aerosol |
| · Colour: | Colourless |
| · Odour: | Ether-like |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | Undetermined. |
| · Boiling point or initial boiling point and boiling range | 35 °C (CAS: 60-29-7 diethyl ether) |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | 1.5 Vol % |
| · Upper: | 10.9 Vol % |
| · Flash point: | -97 °C |
| · Auto-ignition temperature: | Product is not selfigniting. |
| · Decomposition temperature: | Not determined. |
| · pH | Mixture is non-polar/aprotic. |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · Dynamic: | Not determined. |
| · Solubility | |
| · water: | Not miscible or difficult to mix. |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure at 20 °C: | <70 hPa |
| · Density and/or relative density | |
| · Density at 20 °C: | 0.7018 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |

· Other information

- | | |
|--|---|
| · Appearance: | |
| · Form: | Aerosol |
| · Important information on protection of health and environment, and on safety. | |
| · Ignition temperature: | 170 °C (CAS: 60-29-7 diethyl ether) |
| · Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · Solvent content: | |
| · Organic solvents: | 61–<101 % |
| · Solids content: | 0.0 % |
| · Change in condition | |
| · Evaporation rate | Not applicable. |

· Information with regard to physical hazard classes

- | | |
|---------------------|------|
| · Explosives | Void |
|---------------------|------|

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 5)

| | |
|--|--|
| · Flammable gases | Void |
| · Aerosols | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

10 Stability and reactivity

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

11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.

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

ATE (Acute Toxicity Estimates)

| | | |
|------|------|--------------------|
| Oral | LD50 | >4,860 mg/kg (rat) |
|------|------|--------------------|

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

| | | |
|------------|----------|--------------------------|
| Oral | LD50 | >5,840 mg/kg (rat) |
| Dermal | LD50 | >2,800–3,100 mg/kg (rat) |
| Inhalative | LC50/4 h | >23.3 mg/kg /4h (rat) |

CAS: 60-29-7 diethyl ether

| | | |
|------------|----------|--------------------|
| Oral | LD50 | 1,215 mg/kg (rat) |
| Inhalative | LC50/4 h | 73,000 mg/kg (rat) |

- **Skin corrosion/irritation** Causes skin irritation.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 6)

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

EL50 48h 3.2 mg/l (daphnia)

LL50 96h 13.4 mg/l (Oncorhynchus mykiss)

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **Other adverse effects**

- **Remark:** Toxic for 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.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

13 Disposal considerations

- **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.

14 Transport information

- **UN number or ID number**

- **ADR, IMDG, IATA**

UN1950

- **UN proper shipping name**

- **ADR**

1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

- **IMDG**

AEROSOLS (Naphtha (petroleum), hydrotreated light, HEXANES), MARINE POLLUTANT

- **IATA**

Aerosols, flammable

- **Transport hazard class(es)**

- **ADR**



- **Class**

2 5F Gases.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 7)

· **Label** 2.1· **IMDG**· **Class** 2.1· **Label** 2.1· **IATA**· **Class** 2.1· **Label** 2.1· **Packing group**· **ADR, IMDG, IATA** not regulated

· **Environmental hazards:** Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light

· **Marine pollutant:** Symbol (fish and tree)

· **Special marking (ADR):** Symbol (fish and tree)

· **Special precautions for user** Warning: Gases.

· **Hazard identification number (Kemler code):** -

· **EMS Number:** F-D, S-U

· **Stowage Code** SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
SG69 For AEROSOLS with a maximum capacity of 1 litre:

· **Segregation Code** Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 1L

· **Excepted quantities (EQ)** Code: E0

Not permitted as Excepted Quantity

· **Transport category** 2

· **Tunnel restriction code** D

· **IMDG**

· **Limited quantities (LQ)** 1L

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 8)

· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation":UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY
HAZARDOUS

15 Regulatory information

- **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.
- **Seveso category**
P3a FLAMMABLE AEROSOLS
E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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

- H220 Extremely flammable gas.
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
EUH019 May form explosive peroxides.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains . **May produce an allergic reaction.**

· 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 (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 1: Flammable liquids – Category 1
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.07.2021

Version number 1.0

Revision: 22.07.2021

Trade name: Start Pilot

(Contd. of page 9)

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**. * **Data compared to the previous version altered.***

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