



SAFETY DATA SHEET

PROFI-CAR ECO-DRIVE LONGLIFE PLUS SAE 0W-30

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

1.1 Product identifier

Product name: ECO-DRIVE LONGLIFE PLUS SAE 0W-30

Productcode: 14200

Synonyme:

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Engine Oil

1.3 Details of the supplier of the safety data sheet

Company name / contact: PROFI-TECH GmbH
Otto-Lilienthal-Straße 2
88046 Friedrichshafen
Tel. +49 7541/40 286-0
Fax +49 7541/40 286-99
info@profi-tech.com

1.4 Emergency telephone number

Emergency number: +49 7541/40 286-0

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CHIP: This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification under CLP: This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

Most important adverse effects

2.2 Label elements (DSD/DPD)

Label elements under CLP:

Hazard statements: Not classified as a physical hazard according to CLP criteria.

Hazard pictograms:

Precautionary statements:

Risk phrases:

Safety phrases:

Precautionary phrases:



2.3 Other hazards

PBT: Not applicable.

Section 3: Composition / information on ingredients

3.2. Mixtures

Synthetic base oil and additives. Highly refined mineral oil.
The highly refined mineral oil contains <3% (w/w) DMSOextract,
according to IP346. The highly refined mineral oil is only present as additive diluent.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Alkaryl amine	36878-20-3 253-249-4 / 01- 2119488911-28	Aquatic Chronic4; H413	1 - 3
Distillates (Fischer - Tropsch), heavy, C18- 50 – branched, cyclic and linear	848301-69-9 482-220-0 / 01- 0000020163-82	Asp. Tox.1; H304	0 - 90

Chemical characterization: Additive, mineral oil.

Further Information: All concentrations are quoted as mass percentages for liquids and volume percentages for gases.
Other substances which are not classified as dangerous are contained up to 100 %. This mixture does not contain any
substance classified as dangerous, whose concentration exceeds the concentration limits described in article 3.2.2
(annex II, VO 1907/2006/EU). Full text of R- and H-phrases: see section 16.

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation: Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Skin contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.

Eye contact: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Swallowing: Do NOT induce vomiting. Call a physician immediately. Aspiration hazard

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: No data available.

Eye contact: No data available.

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

Immediate / special treatment: No data available.



Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: The formation of combustible vapours is possible at temperatures above: Flash point. Hot product may produce flammable vapours. Can be released in case of fire: Pyrolysis products, toxic. hydrocarbons. Carbon dioxide. Carbon monoxide. Hydrogen sulphide (H₂S). Nitrogen oxides (NO_x). Phosphorus oxides. Smoke.

5.3. Advice for fire-fighters

Advice for fire-fighters: Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Provide adequate ventilation as well as local exhaust at critical locations. Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Conditions to avoid: Inhalation. Do not put any product-impregnated cleaning rags into your trouser pockets. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions

Environmental precautions: Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal

6.4. Reference to other sections

Reference to other sections: For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet., For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep/Store only in original container. Do not store together with: Spontaneous combustion. Keep only in the original container at temperature not exceeding 50 °C.

Suitable packaging:

7.3. Specific end use(s)



Section 8: Exposure controls / personal protection

8.1. Control parameters

Hazardous ingredients:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Oil mist, mineral		TWA	5 mg/m ³	US. ACGIH Threshold Limit Values

8.2 DNEL/PNEC

DNEL/PNEC:.

8.3. Exposure controls

Engineering measures

Respiratory protection: Take off immediately all contaminated clothing. Wash hands before breaks and after work. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

Hand protection: Tested protective gloves are to be worn: NBR (Nitrile rubber). German Industry Norms (DIN) / European Norms (EN): DIN EN 374 Thickness of glove material: 0,33 mm. penetration time (maximum wearing period): 480 min. Recommended protective gloves brand: Camatril, Art. 731, Firma KCL GmbH, 36124 Eichenzell, Germany. Protect skin by using skin protective cream.

Eye protection: If material is handled such that it could be splashed into eyes, protective eyewear is recommended. Approved to EU Standard EN166.

Skin protection: Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.

Environmental: Technical measures to prevent exposure. Organisational measures to prevent exposure.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: liquid

Colour: Pale amber

Odour: Slight hydrocarbon

Evaporation

Solubility in water:

Also soluble in:

Pour point: -51 °C (100,0 hPa)Method: ASTM D97

Viscosity: 11,3 mm²/s DIN 51562

Kinematic viscosity: 11,9 mm²/s (100 °C)
Method: ASTM D445

Viscosity test method:



Boiling point / range°C: > 280 °C estimated value(s)

Flammability limits %: > 250 °C ASTM E 659

Lower explosion limits: 0,6 vol. %

Upper explosion limits: 6,5 vol. %

Flash point°C: 226 °C Method: ASTM D92

Autoflammability°C:

Vapour pressure: < 0,5 Pa (20 °C) estimated value(s)

Relative density: 0,838 (15 °C)

Density: 838,0 kg/m³ (15,0 °C) Method: ASTM D4052

VOC g/l:

9.2. Other information

Other information: No further relevant information available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: See section 9.

10.2. Chemical stability

Chemical stability: If product is stored and handled as prescribed it is stable.

10.3. Possibility of hazardous reactions

The formation of combustible vapours is possible at temperatures above: Flash point

10.4. Conditions to avoid

Conditions to avoid: Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: See section 5.3.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution: There are no data available on the preparation/mixture itself.

Acute toxicity: Classification: Product:

Acute oral toxicity : LD50 rat : > 5.000 mg/kg

Remarks: Expected to be of low toxicity:

Acute inhalation toxicity : Remarks: Not considered to be an inhalation hazard under normal conditions of use.

Acute dermal toxicity : LD50 Rabbit : > 5.000 mg/kg

Remarks: Expected to be of low toxicity:



Irritation and corrosivity: Classification: none. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Sensitising effects: Classification: none. Frequently or prolonged contact with skin may cause dermal irritation.

Severe effects after repeated or prolonged exposure: Classification: none. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Carcinogenic/mutagenic/toxic effects for reproduction: The ingredients in this mixture do not meet the criteria for classification as CMR category 1 or 2. There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal: There are no data available on the preparation/mixture itself.

Additional information on tests: Frequently or prolonged contact with skin may cause dermal irritation

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: There are no data available on the preparation/mixture itself. Classification: none. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

12.2. Persistence and degradability

Persistence and degradability: Not easily bio-degradable (according to OECD-criteria). Product is not easily biodegradable. (Data apply to the main component.)

12.3. Bioaccumulative potential

Bioaccumulative potential: There are no data available on the preparation/mixture itself.

12.4. Mobility in soil

Mobility: There are no data available on the preparation/mixture itself.

12.5. Results of PBT and vPvB assessment

PBT identification: Not applicable.

12.6. Other adverse effects

Other adverse effects: Effects in sewage plants: Mechanical separation in a suitable sewage plant is possible.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Observe mixture permissions according to "Altölverordnung (Waste oil directive)". Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Recovery operations:

Waste code number: 130205

Disposal of packaging:

NB: Non contaminated packagings may be recycled.



Section 14: Transport information

No dangerous good in sense of these transport regulations.

Section 15: Regulatory information

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

WGK: Water contaminating class (D): 2 - water contaminating

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Section 16: Other information

16.1 Other information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010 indicates text in the SDS which has changed since the last revision.

Full text of H-Statements

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Aquatic Chronic Chronic aquatic toxicity

Asp. Tox. Aspiration hazard

Abbreviations and Acronyms : The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and/or websites.

ACGIH = American Conference of Governmental Industrial Hygienists

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

AICS = Australian Inventory of Chemical Substances

ASTM = American Society for Testing and Materials

BEL = Biological exposure limits

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

CAS = Chemical Abstracts Service

CEFIC = European Chemical Industry Council

CLP = Classification Packaging and Labelling

COC = Cleveland Open-Cup

DIN = Deutsches Institut für Normung

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

DSL = Canada Domestic Substance List

EC = European Commission

EC50 = Effective Concentration fifty

ECETOC = European Center on Ecotoxicology and Toxicology Of Chemicals

ECHA = European Chemicals Agency

EINECS = The European Inventory of Existing Commercial Chemical Substances

EL50 = Effective Loading fifty

ENCS = Japanese Existing and New Chemical Substances



Inventory

EWC = European Waste Code
GHS = Globally Harmonised System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IC50 = Inhibitory Concentration fifty
IL50 = Inhibitory Level fifty
IMDG = International Maritime Dangerous Goods
INV = Chinese Chemicals Inventory
IP346 = Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics DMSO-extractables
KECI = Korea Existing Chemicals Inventory
LC50 = Lethal Concentration fifty
LD50 = Lethal Dose fifty per cent.
LL/EL/IL = Lethal Loading/Effective Loading/Inhibitory loading
LL50 = Lethal Loading fifty
MARPOL = International Convention for the Prevention of Pollution From Ships
NOEC/NOEL = No Observed Effect Concentration / No Observed Effect Level
OE_HP V = Occupational Exposure - High Production Volume
PBT = Persistent, Bioaccumulative and Toxic
PICCS = Philippine Inventory of Chemicals and Chemical Substances
PNEC = Predicted No Effect Concentration
REACH = Registration Evaluation And Authorisation Of Chemicals
RID = Regulations Relating to International Carriage of Dangerous Goods by Rail
SKIN_DES = Skin Designation
STEL = Short term exposure limit
TRA = Targeted Risk Assessment
TSCA = US Toxic Substances Control Act
TWA = Time-Weighted Average
vPvB = very Persistent and very Bioaccumulative

Further information

Other information : No Exposure Scenario annex is attached to this safety data sheet. It is a non-classified mixture containing hazardous substances as detailed in Section 3; relevant information from Exposure Scenarios for the hazardous substances contained have been integrated into the core sections 1-16 of this SDS. A vertical bar (|) in the left margin indicates an amendment from the previous version.

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.