



SAFETY DATA SHEET

PROFI-CAR ECO-TECH SAE 5W-30

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

1.1 Product identifier

Product name: ECO-TECH SAE 5W-30

Productcode: 14230

Synonyme:

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

Use of substance / mixture: Preparation: 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.

GHS classification This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

Classification under CLP:

Most important adverse effects

2.2 Label elements (DSD/DPD)

Label elements under CLP: EUH210 Safety data sheet available on request.

Hazard statements:

Hazard pictograms:

Precautionary statements:

Risk phrases:

Safety phrases:

Precautionary phrases:



2.3 Other hazards

PBT: Product can build up a film on the water surface which can inhibit the oxygen exchange. See also sections 11, 12 and 15.

Section 3: Composition / information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No Index No REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	50-70 %
	265-157-1 649-467-00-8 01-2119484627-25	
	Asp. Tox. 1; H304	
36878-20-3	Alkaryl amine	1-5 %
	253-249-4 01-2119488911-28	
	Aquatic Chronic 4; H413	
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts	1-2,4 %
	283-392-8 01-2119493626-26	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411	
122-39-4	diphenylamine	0,1-0,24 %
	204-539-4 612-026-00-5	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Eye Irrit. 2, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H301 H311 H331 H319 H373 H400 H410	
121158-58-5	Phenol, dodecyl-, branched	0,01-0,09 %
	310-154-3 01-2119513207-49	
	Repr. 2, Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H361 H315 H319 H400 H410	

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 %.

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation: Provide fresh air.

Skin contact: Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.

Eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time , then consult an ophthalmologist immediately.

Swallowing: Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

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

Skin contact:

Eye contact:

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

Immediate / special treatment:



Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂). ABC-powder
Foam. Water spray jet Water mist

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Hydrocarbons aldehydes

5.3. Advice for fire-fighters

Advice for fire-fighters: In case of fire: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Environmental precautions: Do not allow to enter into surface water or drains.

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. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.4. Reference to other sections

Reference to other sections: Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Keep away from sources of ignition. - No smoking. Wash hands before breaks and after work.
All work processes must always be designed so that the following is excluded: Generation/formation of mist

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Do not store together with: Spontaneous combustion. Protect from moisture. Keep in a cool place.
Keep only in the original container at temperature not exceeding 50 °C.

Suitable packaging:

7.3. Specific end use(s)

Observe technical data sheet.



Section 8: Exposure controls / personal protection

8.1. Control parameters

Hazardous ingredients:

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
122-39-4	Diphenylamine	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic			
	Worker DNEL, long-term	inhalation	local	5,4 mg/m³
	Consumer DNEL, long-term	inhalation	local	1,2 mg/m³
36878-20-3	Alkaryl amine			
	Worker DNEL, long-term	dermal	systemic	0,62 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	4,37 mg/m³
	Consumer DNEL, long-term	dermal	systemic	0,31 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	1,09 mg/m³
	Consumer DNEL, long-term	oral	systemic	0,31 mg/kg bw/day
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts			
	Worker DNEL, long-term	inhalation	systemic	8,31 mg/m³
	Worker DNEL, long-term	dermal	systemic	12,1 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	2,11 mg/m³
	Consumer DNEL, long-term	dermal	systemic	6,1 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,24 mg/kg bw/day

PNEC values

CAS No	Substance	Value
36878-20-3	Alkaryl amine	
	Soil	263000 mg/kg
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts	
	Soil	0,0548 mg/kg

8.2 DNEL/PNEC

DNEL/PNEC:.

8.3. Exposure controls

Engineering measures: Provide adequate ventilation as well as local exhaust at critical locations.

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: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.



Eye protection: goggles.

Skin protection: Wear suitable protective clothing.

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: brown

Odour: Characteristic

Density (at 15 °C): 847 - 857 g/cm³ DIN 53217

Solubility in water:

Also soluble in:

Viscosity:

Kinematic viscosity: 61,89 mm²/s DIN EN ISO 3104

Viscosity test method:

Lower explosion limits:

Upper explosion limits:

Boiling point / range°C:

Flammability limits %: Not applicable.

Flash point°C:

Autoflammability°C:

Vapour pressure:

Relative density: 0,854 g/cm³

VOC g/l:

9.2. Other information

Other information: No further relevant information available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No hazardous reaction when handled and stored according to provisions..

10.2. Chemical stability

Chemical stability: The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Conditions to avoid: Oxidizing agents, strong.



10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: See section 5.3.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic				
	oral	LD50	>5000 mg/kg	Rat	OECD 402
	dermal	LD50	>5000 mg/kg	Rabbit	OECD 402
	inhalative (4 h) vapour	LC50	>5 mg/l	Rat	OECD 403
36878-20-3	Alkaryl amine				
	oral	LD50	>5000 mg/kg	Rat	OECD 401
	dermal	LD50	>2000 mg/kg	Rat	OECD 402
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts				
	oral	LD50	3100 mg/kg	Rat	OECD 401
	dermal	LD50	>2000 mg/kg	Rat	OECD 402
122-39-4	diphenylamine				
	oral	ATE	100 mg/kg		
	dermal	ATE	300 mg/kg		
	inhalative vapour	ATE	3 mg/l		
	inhalative aerosol	ATE	0,5 mg/l		
121158-58-5	Phenol, dodecyl-, branched				
	oral	LD50	2100 mg/kg	Rat	OECD 401
	dermal	LD50	15000 mg/kg	Rat	OECD 402

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.



Section 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
36878-20-3	Alkaryl amine					
	Acute fish toxicity	LC50	>100 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
	Acute algae toxicity	ErC50	>100 mg/l	72 h	Desmodesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts					
	Acute fish toxicity	LC50	4,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	24 mg/l	72 h	Desmodesmus subspicatus	OECD 201
121158-58-5	Phenol, dodecyl-, branched					
	Acute fish toxicity	LC50	40 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	0,36 mg/l	72 h	Desmodesmus subspicatus	
	Crustacea toxicity	NOEC	0,0037 mg/l	21 d	Daphnia magna (Big water flea)	OECD 211

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	1,5%	28	
	Not readily biodegradable (according to OECD criteria) Not readily biodegradable (according to OECD criteria)			
121158-58-5	Phenol, dodecyl-, branched			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	25%	28	
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

The product has **not** been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
36878-20-3	Alkaryl amine	>7,6
84605-29-8	Phosphorodithionic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zins salts	0,56

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: The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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

Advice on disposal: 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.

Recovery operations:

Waste code number: 130205

Disposal of packaging: OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating Oils Classified as hazardous waste.

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.

Abbreviations and acronyms

ADR: Accord européen sur le transport 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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.



H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
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.
H413 May cause long lasting harmful effects to aquatic life.

EUH210 Safety data sheet available on request.

Relevant H and EUH statements (number and full text)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.